

EXHIBIT F

DUANE SORENSEN (CONFIDENTIAL) - 03/25/2015

Page

1 ANSWERS AND DEPOSITION OF DUANE SORENSEN,

2 produced as a witness at the instance of the
3 Plaintiff, taken in the above-styled and -numbered
4 cause on the 25th day of March, 2015, from 9:05 a.m.
5 to 2:06, before Deborah A. Copeland, a Certified
6 Shorthand Reporter in and for the State of Texas,
7 reported by machine shorthand at the offices of
8 Brackett & Ellis, P.C., located at 100 Main Street,
9 in the City of Fort Worth, County of Tarrant and State
10 of Texas, pursuant to the Rules of Federal Procedure.

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1 A P P E A R A N C E S

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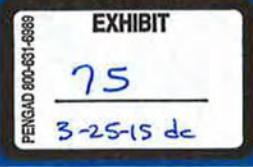
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Sun Optics-000034

Swivel Sets

- USA Manufactured
- Available in 1" and 1-1/4" Configurations
- Unique Dual Wood Screw Kits Available
- Solid Steel
- Satin Black Finish



SKU	Description
10260	1-1/4" Loop Swivel Set
10261	1" Loop Swivel Set
10262	1" Loop Swivel Set with Front & Rear Stock Screws/Slud/Spacer
10263	1-1/4" Swivel Set with 1/2" Front & 3/4" Wood Rear Stock Screws
10264	1-1/4" Loop Swivel Set with Front & Rear Stock Screws/Slud/Spacer
10266	1" Swivel Set with 1/2" Front & 3/4" Wood Rear Stock Screws
10267	1" Loop swivel with shotgun barrel band set
10268	1" Loop swivel with lever action barrel band set

Sun Optics USA

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WARRANTY

Sun Optics USA products are sold through the finest retailers, distributors and online merchants. Regardless of where you purchase your Sun Optics USA products, we will guarantee your complete satisfaction. Sun Optics USA will repair or replace any of its products that prove defective in workmanship or materials. Simply return the product to the below address for repair.
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AIRGUN ACCESSORIES TOOLS & SHOOTING ACCESSORIES

Bubble Levels

- Insures bore and reticle alignment at a glance shot after shot
- Attaches to any 11mm or standard dovetail base
- Quick & easy viewing

11mm
ST1005

Std. Dovetail
ST1006



Recoil Stop Block

- 11mm Stop Block
- Self Sealing Dual Nylon Stops
- Heavy Duty Recoil Pin
- Compact Design
- Satin Black

SM7005



Universal Offset Spud

- Provides higher mounting of the bore sighter when aligning scopes and sights on shotguns and military rifles

ST1031



Brass Drifts

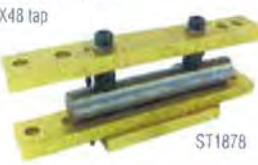
- Set of two knurled solid brass punches
- Drive out gunsights and large pins without damage
- Diameters of 1/4" and 3/8"



ST0018

Scope Mount Drill Jig

- Pro gunsmith quality
- Aligns holes with bore using a precision ground arbor inserted into the receiver in place of the bolt
- No measuring required
- Includes #31 drill bit and 6X48 tap



ST1878

High Pressure Hand Pump Desiccant Kit

- Fits all Benjamin Sheridan & Airforce PCP Airgun Pumps
- Two Silicone Packets
- Easy Installation
- Keeps Pump Internal Parts Clean and Moisture Free



SP1200

Picatinny Sling Swivel Stud Adapter

- No gunsmithing required for installation
- Deluxe push button QD sling swivel with 1 1/2" loop and Picatinny QD mount
- Manufactured from solid steel stock with black satin finish
- May be used with or without attached Picatinny mount



ST1003



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Sun Optics-000032



Solid Steel 1" and 30mm Quick Release Rings

- No gunsmithing required for installation
- Quick detach, spring loaded adjustable levers
- Thin line design/2 screw ring cap
- Steel recoil key
- Torx head ring cap screws
- Heavy duty rock solid
- Fits Weaver type/Picatinny bases

1 inch	30mm
SM102- L	SM302- L
SM104- M	SM304- M
SM106- H	SM306- H



Solid Steel 1" and 30mm Hex Clamp/Recoil Key

- No gunsmithing required for installation
- Thin line design/2 screw ring cap
- Steel recoil key
- Torx head ring cap screws
- Heavy duty rock solid
- Fits Weaver type/Picatinny bases

1 inch	30mm
SM112- L	SM312- L
SM114- M	SM314- M
SM116- H	SM316- H



AIRGUN RINGS

Variable Air Sport Rings

- Recoil key
- Fits 9.5mm through 13mm rails
- Torx 4 screw cap
- Lightweight aircraft aluminum
- Satin black finish

1 inch	30mm
SM5010- L	SM5030- L
SM5015- M	SM5035- M
SM5020- H	SM5040- H

L=Low/M=Medium/H=High



Fixed Ring

- 11mm dovetail
- Thin profile 4 screw design
- Perfect for minimal space scope mounting applications
- Recoil key
- Lightweight aircraft aluminum
- Satin black finish
- Economical 1" airgun ring



SM0039

Adjustable Airgun Rings & Airgun Ring/Base Combos

- No gunsmithing
- Complete windage & elevation adjustment with ring "pitch" angulation feature
- 11mm or standard dovetail rings available
- Windage lock screws
- Lightweight aircraft aluminum
- Satin black finish

11mm	Standard Dovetail
SM0101- 1"	SM0201- 1"
SM0130- 30mm	SM0230- 30mm
SM7101- 1"	
SM0037- 1"	
SM0137- 30mm	
SM7130- 30mm	
SM7701- 1" High	
SM7702- 1" Ultra High	





ADAPTORS

11MM to Picatinny/Weaver™

- 3 or 4 screw clamp system
- Recoil pin
- Rear elevation adjustment on SM7021
- Lightweight aircraft aluminum
- Satin black finish

SM002 (3 Screw)

SM7015 (4 Screw)

SM7021 (Rear Elevation)



.22 to Weaver™

- 2 Piece mount
- Lightweight aircraft aluminum
- Satin black finish

SM7025

Ruger to Weaver™

- Cam system lock on mount
- Securely fits most Ruger Ranch rifles
- Precision steel machined clamps
- Lightweight aircraft aluminum
- Satin black finish

SM4504-M-77 "Big Bore" Rifles
SM4507-M-77/Ranch Rifles

RINGS

Sport Rings

- Wrap around design
- Torx cap screws
- Picatinny style cross clamp screw
- Secure thumb nut

1 inch 30mm

SM052- L SM062- L

SM053- SL SM064- M

SM054- M SM066- H

SM055- SM

SM056- H

SM057- SH

- Lightweight aircraft aluminum
- Satin black or stainless finish



.22 RINGS

- Wrap around design
- Torx cap screws
- Lightweight aircraft aluminum
- Satin black or stainless finish

1 inch 30mm

SM752- L SM762- L

SM754- M SM764- M

SM755- SM SM766- H

SM756- H



L=Low/M-Medium/H=High/S=Satin Finish

TAC-X Ringsets

- No gunsmithing required for installation
- 30mm with 1" inserts
- 6 screw wide ring cap design
- Recoil key
- Heavy duty clamping system
- Black satin finish

SM1434-M

SM1436-H

SM1438-EXTRA H



Picatinny Tri-Rail Rings

- Picatinny tri-rail design
- 30mm with 1" machined inserts
- Heavy duty 4 screw ring cap
- Extra high height
- Large steel cross bolt



SM0010



NO GUNSMITHING SCOPE MOUNTS

Universal Shotgun Rib Cantilever Mount

- Attaches to ribbed shotguns up to 3/8" Wide
- Perfectly contours to match receiver
- Installs using 3 included mounting plates
- Lightweight aircraft aluminum
- Satin black finish



SM6175 Cantilever

Rifle Receiver One Piece Bases

- One piece design
- Contoured & tapered for perfect fit
- Lightweight aircraft aluminum
- Satin black or stainless finish (where applicable)



SM5504	Rem 4, 6, 74, 76, 7400, 7600
SM1510	Mauser 98
SM1512	Mauser 96
SM5536	Marlin 336
SM5526	Browning BAR
SM5514	Ruger 10/22 Black
SM5515	Ruger 10/22 Stainless

Two Piece Tactical Rifle Bases

- Multi-slot extra long base sections
- Std. dvtl. specifications picatinny style
- CNC machined T-6160 aircraft aluminum
- Mounting screws



SM2500	Remington 700
SM2510	Winchester 70
SM2520	Browning A-Bolt
SM2558	Savage Arms

Ruger Mini-14

- Installs by replacing bolt stop coverplate
- Single knob for coverplate attachment
- Locking dual screw leveling system
- Lightweight aircraft aluminum
- Satin black or stainless finish

SM4502	Black
SM4506	SS



Savage 340, 840, 890, & 822 Hornet

- Attaches using firearm's existing 4 drilled & tapped holes
- Lightweight aircraft aluminum
- Satin black





NO GUNSMITHING SCOPE MOUNTS

Mauser 96, 98/Mosin-Nagant Scout Mounts

- Scope mount replaces rear sight
- Elevation adjustment
- Scout scope ready
- Lightweight aircraft aluminum
- Satin black finish



SM8522 Mosin-Nagant
SM8561 Mauser 98
SM8559 Mauser 96

HK 300, 630, 770, 940, SL6, SL7

- Secures to firearm with 2 thumb screws
- Quick detach
- Return to zero capability
- Lightweight aircraft aluminum
- Satin black finish



SM4300

Rossi 92/Puma Lever Action

- Offset receiver mount
- Single knob attaches to firearm's receiver
- Lightweight aircraft aluminum
- Satin black finish



SM4411

Shotgun Saddle Mounts

- Full length rail
- Perfectly contoured to receiver
- Installs using existing ports
- Lightweight aircraft aluminum
- Satin black finish



SM4800 Rem 1100/1187, RH12
SM4812 Rem 870, 12, 3.5 Mag
SM4805 Rem 870/1100/1187 LH/RH 12 Ga
SM4822 Rem 870/1100/1187 LH/RH 20 Ga
SM4585 Mossberg 835/535/Mav. 91 12 Ga
SM4500 Mossberg 500/Mav. 88 12 Ga
SM4600 Baikal Pump 12 Ga

SM4212 Win Super X2/SX3/FX3
Browning Gold 12
Silver Series/A5 (post 2011)
SM4900 Win 1200-1500/SXP 12 Ga
SM4305 Benelli Nova 12 Ga
SM4250 Browning BPS 12 Ga

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NO GUNSMITHING SCOPE MOUNTS

SKS

- Adjustable lockdown system
- Uses rear retaining pin
- Lightweight aircraft aluminum
- Satin black finish
- Fits directly over dust cover



SM8569

HK91/93/94/MP5/Cetme

- Saddle design fits over firearm receiver
- Recoil proof side plates & clamp knob
- Lightweight aircraft aluminum
- Satin black finish



SM8513

Springfield M1A

- Quick detach
- Return to zero capability
- Large clamp knob
- Lightweight aircraft aluminum
- Satin black finish



SM8514

FN-FAL

- Replaces firearms dust cover
- Fits perfectly on receiver with zero movement!
- Lightweight aircraft aluminum
- Satin black finish



SM8500

Springfield 1903-A3

- Receiver mount
- Replaces magazine cut-off
- Quick detach
- Lightweight aircraft aluminum
- Satin black finish



SM8477

SMLE

- Lightweight aircraft aluminum
- Satin black
- Mounts over firearm's receiver
- Attaches to ejector and rear sight pin
- Attaches using ejector screw & included clamp
- Fits .303 caliber only

SM8564
SM8565MKI
MKIII



NO GUNSMITHING SCOPE MOUNTS

Ruger MKI/MKII Universal

- Universal mount slides on to receiver
- Return to zero capability
- Lightweight aircraft aluminum competitor preferred
- Satin black or stainless finish



SM4877 Matte Black

SM4878 Matte Stainless

Pre-drilled/Tapped Frame Handgun Scope Mounts

- One piece base
- Multi-slot dovetail base
- Contoured for exact fit
- Lightweight aircraft aluminum
- Satin black or stainless finish

SM4873 RUGER MKI/MKII-BLK
SM4874 RUGER MKI/MKII-SS
SM4405 S&W K/L/N - BLKSM4406 S&W K/L/N - SS
SM4214 BROWNING BUCKMARK

AK-47/MAC-90

- Receiver mount
- Attaches with included steel trigger & hammer bolt
- Lightweight aircraft aluminum
- Satin black or stainless finish



SM8600

AK47 Side Mount

- QD design/fits most AK with side attach feature
- Full receiver length mounting rail with accessory rail
- Lightweight aircraft aluminum construction
- Satin black finish



SM8601

NO GUNSMITHING SCOPE MOUNTS

Quad Rail for AR/AK/SKS/Mini-14/Ruger 10/22

- No gunsmithing required for installation
- Precision CNC machined quad rail
- 4 mil-spec picatinny rails with QD swivel attach
- Positive fit, function and reliability
- T6160 aircraft grade aluminum alloy construction



SMQRAR

SMQRAK

SMQRRM14

SMORSKS

SMQR1022

Universal Barrel Tri-Rail Mounts

- No gunsmithing required for installation
- Fits most 12 ga. shotguns and standard rifle barrels
- 5 slots/2.5" in length
- Flashlight/laser compatible
- Manufactured from aircraft aluminum



SM5RB (5 1/2" - 7 1/2" BBL.)

SM5SG (7 1/2" - 11" BBL.)

Specialty Scope Mount

- 30mm ring with 1" inserts
- Six screw ring cap design
- Picatinny rail ring caps
- Heavy duty
- Integral mounting system



CM2125W30EP

Flip-to-Side Scope Mounts

- 30mm ring with 1" insert
- Two heights; high will co-witness with AR type sights
- Adapts to any Picatinny or standard dovetail
- Perfect for magnifiers with 1X sights
- Positive lock system



CRFTS2 (Low)

CRFTS1 (High)



NO GUNSMITHING SCOPE MOUNTS

AR Carry Handle Adapter

- Adapts any flat top to carry handle configuration
- Rear peep sight with windage and elevation adjustment
- Positive locking recoil key
- Quick detach design
- Scope mount compatible
- Made from lightweight aircraft aluminum



SM8530



SM9430-Carry handle and front sight kit

AR Flat Top Sights

- Front and rear sight
- Windage/elevation on rear sight
- Fits Picatinny/Weaver type rails
- Manufactured from lightweight aircraft aluminum



SM9400

Flat Top Riser

- Fits colt AR style & clones
- Rock solid design-recoil key
- Co-witness with front sight
- Return to zero capability
- Lightweight aircraft aluminum
- Satin black finish



SM5100 5" FLAT TOP RISER
 SM5101 2.25" MICRO FLAT TOP RISER
 SM5108 8" FLAT TOP RISER

AR-15/M-16 NATO Carry Handle

- NATO/Slanag M-16
- Attaches to gun's carry handle with large thumb knob
- Return to zero capability
- Lightweight aircraft aluminum
- Satin black finish



SM8526

One Piece Picatinny Style Tactical Bases

- Full receiver length bases
- Std. dvtl. specifications/picatinny style
- CNC machined T-6160 aircraft aluminum
- Tapered tip and tail
- Mounting screws



SM1500 REMINGTON 700 S/A
 SM1502 REMINGTON 700 L/A
 SM1518 SAVAGE ARMS L/A
 SM1558 SAVAGE ARMS S/A
 SM1511 WIN 70 S/A
 SM1513 WIN 70 L/A
 SM1624 FN/CLONES
 SM4503 RUGER ALL AMERICAN

20 MOA Tactical Bases

- No gunsmithing required for installation
- Precision CNC machined tactical base
- Unique design to fit left and right hand rifles
- Secure perfect fit offers precise scope retention
- Compatible with Weaver type or Picatinny rings

SM2600-SAVAGE ARMS S/A
 SM2601-SAVAGE ARMS L/A
 SM2700-REMINGTON 700 S/A
 SM2701-REMINGTON 700 L/A



BIPODS • FIXED/TILT AND ACCESSORIES

- QD attach
- Exceptional performance
- Extra long mounting platform
- Large diameter mounting bolt
- One touch spring loaded legs
- Fits tightly against fore end
- Rubber tipped legs
- Tilt models feature adjustable platform
- Fixed and "tilt" models available

CBP-6	6"-9" Fixed
CBP-9	9"-13" Fixed
CBS-6/9 Tilt	6"-9" Tilt
CBS-9/13 Tilt	9"-13" Tilt
CBS-13/23 Tilt	13"-23" Tilt
ST-1007	Picatinny Bipod Adaptor



- Extra long base
- Adapts all Sun Optics USA bipods to Picatinny rails
- Sling swivel adaptable
- Heavy duty construction





BINOCULARS

Porro Prism Binoculars

- Wide angle porro prism
- Durable rubber armored construction
- Fully multi-coated precision lenses
- 100% waterproof, shockproof & fogproof



CB22735	7X35
CB22840	8X40
CB22750	7X50
CB221050	10X50
CB221250	12X50
CB2082450	8-24X50

Roof Prism Binoculars

- BAK-4 prism
- Fully multi-coated optics
- Center focus
- No-slip, non-glare rubber armored
- Dry nitrogen filled
- 100% waterproof, shockproof & fogproof
- Twist up eyecups (full size models only)
- Carrying case/strap



CB520825WP	8X25
CB521025WP	10X25
CB520842WP	8X42
CB521042WP	10X42
CB521242WP	12X42

SPOTTING SCOPE

- Focus down to 10 yards
- Fully multi-coated optics
- Large porro prism
- Rubber armored

- Integral sliding sunshade
- Adjustable strap for easy viewing
- Easy focus



CV16-206060B

Bighorn Hunter Spotting Scope

- 20-60x60 spotting scope
- Precision ground, fully multi-coated lens
- Lens covers
- Weather resistant Cordura cover
- Deluxe tripod
- Waterproof
- Shockproof
- Fogproof



CV25206080

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Sun Optics-000022



LASER KITS

Micro Green Laser

- Strong 5MW green laser
- 532 wavelength
- Cold temperature adaptable
- On/Off switch with pressure cord
- Windage/elevation adjustable
- Dual mounting system/std. cal. .22



Micro Red Laser

- 650 nm wavelength
- 5 MW red laser
- Compact design
- On/Off button & pressure cord
- Windage/elevation adjustable
- Dual mounting system/std. cal. .22

Green Laser

- Strong 5MW green laser
- 532 wavelength
- Cold temperature adaptable
- On/Off switch with pressure cord
- Windage/elevation adjustable
- Mounting system included

FLASHLIGHT KIT

- 200 lumen lamp
- Bright/dim/strobe selectors
- Pressure cord
- Mounting system included
- Waterproof/toughproof/shockproof



TACTICAL FORE END GRIPS

- 3W LED 250 lumen lamp
- 2-stage light/constant/strobe and green laser with windage and elevation
- Heavy-duty construction
- Positive locking recoil key
- Uses 2 CR-123a batteries
- Waterproof
- Shockproof
- Fogproof

CVFG-GREEN LASER
CVFR-RED LASER

- Storage compartment
- Removable side plates to accommodate flush fit pressure switch
- Fits Picatinny style fore ends
- Solid locking pin
- Comfortable, quick fit design



- 3W LED 250 lumen lamp
- 2 stage light/constant/strobe
- Positive locking recoil key
- Uses 2 CR-123A batteries
- Waterproof
- Shockproof
- Fogproof





ILLUMINATED LASER SIGHTS

- 3w, 250 lumen LED clear or green light source
- 532 nm wavelength
- 5 mw green laser/windage & elevation
- Positive locking battery compartment
- Selector switch and on/off button (CLF-CG/GG)
- Selector switch and on/off button with strobe (CLF-SG)
- Two pressure cords (rifle length/pistol length)
- Steel quick detach mounting system with locking recoil key
- Uses (2) CR123A battery power



- 3w, 250 lumens LED clear or green light source
- 640 nm wavelength
- 5 mw red laser/windage & elevation
- Positive locking battery compartment
- Selector switch and on/off button
- Auto activated pressure cord
- Steel quick detach mounting system with locking recoil key
- Uses (2) CR123A battery power



COMPACT LASER/LIGHT

- 3w, 250 lumen LED light source
- 5 mw red or green laser/windage/elevation
- 3-way selector switch
- Constant on/pulse/strobe switch
- Multi position recoil key
- Fits compacts to large frame handguns
- Positive locking battery compartment
- Compact design
- Uses (2) CR123A battery power



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Sun Optics-000020

1X TACTICAL SIGHTING DEVICE

- Precision ground, fully multi-coated lenses with wide band coating
- Red/Green T3 IR reticle
- Super lightweight
- Rubber armored
- 1/4 MOA posi-click windage/elevation
- Nitrogen filled
- Waterproof
- Shockproof
- Fogproof
- Integral mounting system



CD11TS1X

SUN SHOT MICRO-SIGHT

- Heavy duty construction
- Larger hood design
- 2 MOA green dot
- Windage/elevation adjustments
- Precision ground lens
- Waterproof
- Shockproof
- Fogproof



MD100

TACTICAL SIGHTING DEVICE

- 30mm tube design
- Red/green range finding IR reticle
- 7 stage rheostat
- Extended ring
- Turret straps
- Lens flip cover
- Waterproof
- Shockproof
- Fogproof



CD13TS30WH

ELECTRONIC SIGHTING DEVICES

- 30mm tube design
- Red and green multi-reticle selection
- 11 stage rheostat
- Includes sun shade, flash kill & 30mm rings
- Waterproof
- Shockproof
- Fogproof



CD13RD30MD

- Tri-rail design
- Red range finding IR reticle
- 7 stage rheostat
- Integral mounting system
- Lens flip covers
- Waterproof
- Shockproof
- Fogproof



CD13RDM39

- Tri-rail design
- Red 2 MOA dot
- 2X removable booster
- 7 stage rheostat
- Integral mounting system
- Waterproof
- Shockproof
- Fogproof



CD12RM242



ELECTRONIC MICRO SIGHTING DEVICES

- Super compact design
- Precision ground lens
- Built in front lens protector
- Fast target acquisition
- 3 models - 3 MOA dot/shotgun circle dot/ tactical T3 reticle
- 5 stage IR red/green reticle
- Integral mounting system
- No parallax



CD13RD003A-3 MOA dot reticle



CD13SG002W shotgun circle w/dot reticle



CD13ES004T-T3 reticle

DUAL COLOR RETICLE ELECTRONIC SIGHTING DEVICE

- Full or micro size sight
- 65 MOA circle w/1 MOA dot
- 6 stage red and green reticle
- Removable shade hood



EL1100 (MICRO SIZE)



EL1300 (FULL SIZE)

SINGLE COLOR RETICLE W/RED OR GREEN LASER ELECTRONIC SIGHTING DEVICE

- Full or micro size sight
- 65 MOA circle w/1 MOA dot
- 6 stage red or green reticle
- Red or green laser/windage and elevation
- Removable shade hood

EL1200 (MICRO SIZE)
(green reticle/red laser)EL1400 (FULL SIZE)
(red reticle/green laser)

ELECTRONIC REFLEX SIGHTS

- Heavy duty construction
- Stainless steel windage/elevation internal parts
- 4 unique reticle selections
- Glass aperture
- 5 stage IR red/green rheostat
- Aperture cover
- Waterproof
- Shockproof
- Fogproof



CD13RRG



CD13RD2

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TRI-RAIL TACTICAL SCOPE

- One piece tube design
- Precision ground, fully multi-coated lenses
- Integral Picatinny mounting rails
- Mil-Dot reticle (R/G IR)
- Fast focus ocular
- Posi-click 1/4 MOA windage/elevation adjustments
- 100 yd. parallax
- Nitrogen filled
- Waterproof
- Shockproof
- Fogproof



CS12RM428

CS12RM432

CS12RM3932

CS12RM2628

CS12RM428IR

CS12RM3932IR

MODEL	MAG	EXIT PUPIL	RETICLE	OBJ DIA	FOV	EYE RELIEF	CLICK	LENGTH	WEIGHT
CS12RM428	4X	7mm	Mil-Dot	32mm	25'	2.75"	1/4 MOA	7.9"	14.2 oz
CS12RM432	4X	8mm	Mil-Dot	32mm	29'	3.4"	1/4 MOA	10.1"	15 oz
CS12RM3932	3X-9X	10.7-3.6mm	Mil-Dot	32mm	38.15-13'	3.5-2.75	1/4 MOA	10.3"	17.8 oz
CS12RM2628	2X-6X	14-4.7mm	Mil-Dot	32mm	42-15'	3.7-2.95	1/4 MOA	8.5"	14.5 oz
CS12RM428IR	4X	7mm	Mil-Dot/IR	28mm	25.5'	2.75"	1/4 MOA	7.9"	14.7 oz
CS12RM3932IR	3X-9X	10.7-3.6mm	Mil-Dot/IR	32mm	38.15-13'	3.5-2.75"	1/4 MOA	10.3"	18 oz

TACTICAL PRECISION PRISMATIC SIGHTS

- Precision ground fully multi-coated lenses
- Red/green/blue IR selection
- Tactical glass etched reticle with range finding capabilities
- 1/4 MOA posi-click windage and elevation
- Fast focus ocular
- 3x, 4x, and 5x hooded and sunshade with flashlight models available
- Integral mounting system
- Nitrogen filled
- Waterproof
- Shockproof
- Fogproof



PS30432IR-Military reticle with rangefinding capabilities



PS30432IRFO-Military reticle with rangefinding capabilities/Fiber optic sights



PS32530IR-Military reticle with rangefinding capabilities



PS30332IR-Military reticle with rangefinding capabilities



SHORTY FORTY

- Most compact 3-9x40AO
- 1" tube design
- Precision ground, fully multi-coated lenses with wide band coating
- Duplex reticle
- Fast focus ocular
- Posi-click brass finger dial
- Windage/elevation
- Nitrogen filled
- Waterproof
- Shockproof
- Fogproof



CSP263940AO

COMPACT RIFLE SCOPES

- Compact riflescopes
- 1" tube design
- Precision ground, fully coated optics
- 7 stage rheostat
- Dry nitrogen filled
- IR red mil-dot reticle
- Waterproof
- Shockproof
- Fogproof



CS243942IRC

CS242628IRC

MODEL	MAG	EXIT PUPIL	RETICLE	OBJ DIA	FOV	EYE RELIEF	CLICK	LENGTH	WEIGHT
CSP263940AO	3X-9X	7.0-2.3mm	Duplex	40mm	15'-4.8"	4.0-3.5"	1/4 MOA	9.44"	15 oz
CS242628IRC	2X-6X	94-82mm	Mil-Dot	28mm	14'-4.67"	3.75-2.95"	1/4 MOA	7.08"	8.9 oz
CS243942IRC	3X-9X	100-89mm	Mil-Dot	42mm	13'-4.4"	36.8-12.5"	1/4 MOA	7.30"	10.4 oz

HANDGUN/SCOUT HUNTING SCOPES

- 1" tube design
- Precision ground, fully multi-coated optics
- True handgun/scout relief
- Dry nitrogen filled
- Duplex reticle
- Waterproof
- Shockproof
- Fogproof

CS281720



CS282528

CS282532

CS282732

CS28432 Scout

CS282528IR

CS282732 Scout

MODEL	MAG	EXIT PUPIL	RETICLE	OBJ DIA	FOV	EYE RELIEF	CLICK	LENGTH	WEIGHT
CS281720	1.7X	11.8mm	Duplex	20mm	17.3'	18"	1/4 MOA	8.8"	8.9 oz
CS282528	2.5X	11.2mm	Duplex	32mm	11.5'	17.7"	1/4 MOA	8.8"	8.9 oz
CS282532	2.5X	12.8mm	Duplex	32mm	11.5'	18.3"	1/4 MOA	8.8"	11.7 oz
CS282732	2X-7X	17.7-5.9	Duplex	32mm	18.9'-6.4"	10.6-8.7"	1/4 MOA	11"	8.9 oz
CS282528IR	2.5X	11.2	Duplex	28mm	11.5'	17.7"	1/4 MOA	8.8"	9.0 oz
CS28432	4X	8mm	Duplex	32mm	10'	9.3"	1/4 MOA	10"	8.9 oz

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ULTRA VARIABLE 30mm IR/5-30X56

- One piece tube design
- Precision ground, fully multi-coated lens with wide band coating
- Mil-dot reticle
- Fast focus ocular
- 1/4 MOA Posi-Click windage/elevation
- 4" eye relief
- Nitrogen filled
- Waterproof, shockproof, fogproof



AIR-A-TAC RIFLE SCOPE

- Precision ground, fully multi-coated lenses with wide band coating
- Red/Green/Blue/Black IR Micro Mil-Dot glass etched reticle
- 1" one piece tube
- AO to 5 yds (3.9x50)
- Fast focus ocular
- Posi-click locking target turrets
- Sunshade
- Nitrogen filled



TAC IV 30MM TACTICAL SCOPE

- 30mm mono tube design
- Fast focus eyepiece
- Precision ground, fully multi-coated lenses with wide band coating
- Return to zero target turrets with covers
- Side parallax (CS2731250 excluded)
- Dry nitrogen filled
- Sunshade included
- Mil-dot reticle
- Sharp edge-to-edge clarity at every power



MODEL	MAG	EXIT PUPIL	RETICLE	OBJ DIA	POV	EYE RELIEF	CLICK	LENGTH	WEIGHT
CS4053056IR	5X-30X	9.8-1.86mm	Mil-Dot	56mm	23.4-3.9'	3.75-3.25"	1/8 MOA	16.8"	33 oz.
CS873950AO	3X-9X	10.5-6mm	Mil-Dot	50mm	39.3-13.1'	3.3"-3.1"	1/4 MOA	13.5"	22 oz.
CS8741650AO	4X-16X	10.3-1mm	Mil-Dot	50mm	22.4-6.8'	3.3"-3.1"	1/4 MOA	15.2"	25 oz.
CS8762450AO	6X-24X	8.3-2.1mm	Mil-Dot	50mm	16.2-3.8'	3.3"-3.1"	1/4 MOA	18"	28 oz.
CS2731250	3X-12X	16.7-4.2mm	Mil-Dot	50mm	27.5-6.8'	4.8-3.3"	1/4 MOA	14"	18 oz.
CS2741650	4X-16X	12.5-3.1mm	Mil-Dot	50mm	23.5-5.8'	3.2-2.75"	1/4 MOA	14.6"	19.3 oz.
CS2762450	6X-24X	8.3-2.1mm	Mil-Dot	50mm	17.5-4.5'	3.5-2.75"	1/8 MOA	16.5"	21 oz.
CS2783250	6X-32X	6.3-1.6mm	Mil-Dot	50mm	11.6-3.5'	3-2.7"	1/8 MOA	16"	21 oz.

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HUNTER PLUS CROSSBOW SCOPE

- One piece tube design
- Precision ground, fully multi-coated lens with wide band coating
- Rangefinding crossbow reticle
- Fast focus ocular

- Posi-clik brass finger dial windage/elevation
- 4" eye relief
- 50 yd. parallax
- Nitrogen filled
- Waterproof, shockproof, fogproof



CSPCB432

VARMINT SEEKER 30mm RIFLE SCOPE

- One piece tube design
- Precision ground, fully multi-coated lens with wide band coating
- Fine crosshair with dot reticle
- Fast focus ocular
- Side focus parallax
- 1/4 MOA Posi-Clik windage/elevation
- Precise target turrets
- 4" eye relief
- Nitrogen filled
- Waterproof, shockproof, fogproof



KSAP83250

TACTICAL 30mm CQB/3-GUN MATCH SCOPE

- One piece tube design
- Precision ground, fully multi-coated lens with wide band coating
- COB T3 w/ Dot IR Red/Green reticle
- Fast focus ocular

- Locking target turrets
- 1/2 MOA Posi-Clik windage/elevation
- 4" eye relief
- Nitrogen filled
- Waterproof, shockproof, fogproof



CS401624IR

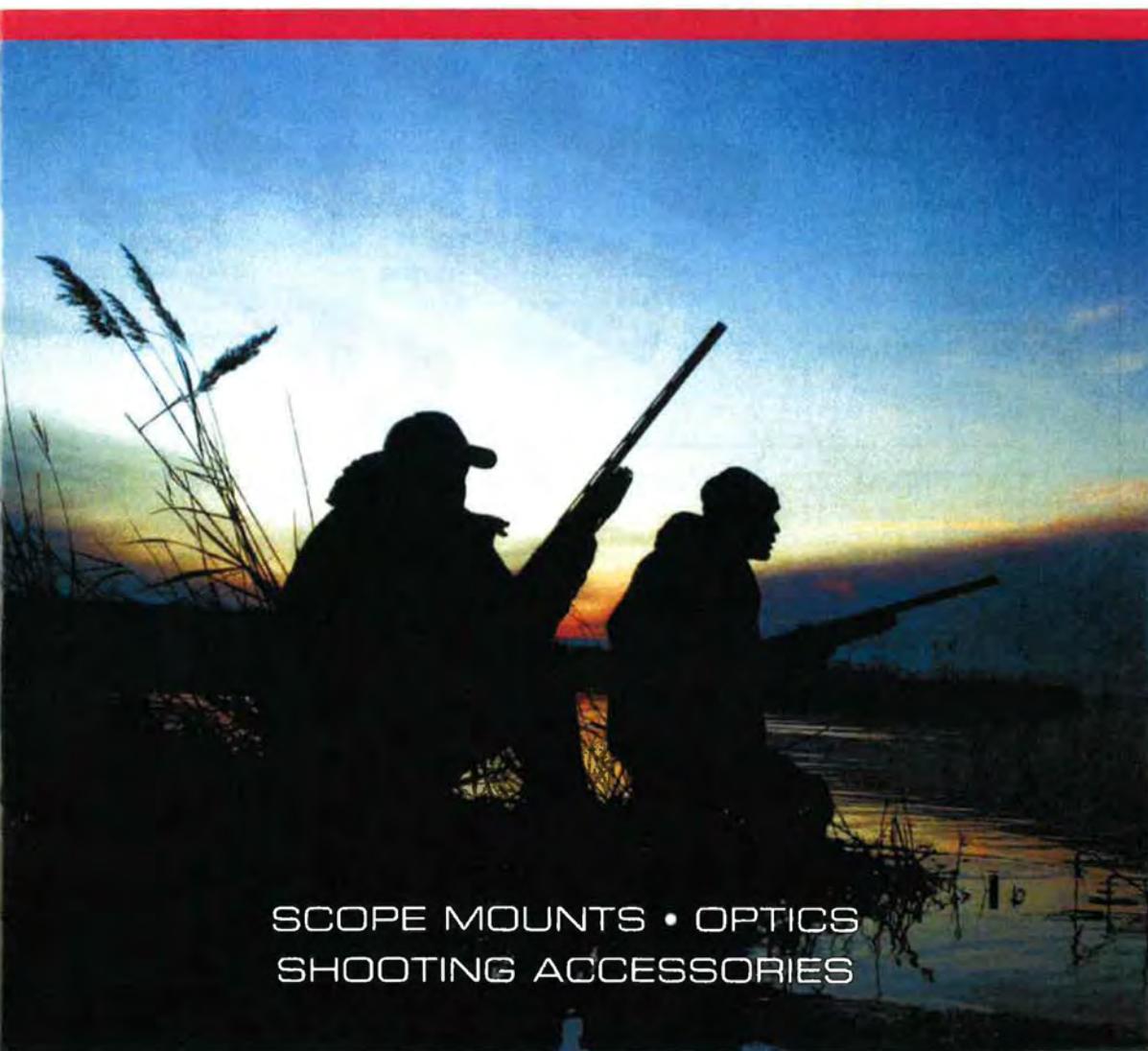
MODEL	MAZ	EXT PUPIL	RETICLE	OBJ DIA	FOV	EYE RELIEF	CLICK	LENGTH	WEIGHT
CSPCB432	4X	8mm	CB	32	28'	3.75	1/4	8"	9.4
KSAP41650	4-16	75.5-81.6mm	FCR/DOT	50	26.5'-7.2"	4"-3.5"	1/4	14.5	29 oz
KSAP62450	6-24	8.3-2.1mm	FCR/DOT	50	18.8'-5.2"	4"-3.5	1/4	15.8	26 oz
KSAP83250	8-32	6.3-1.6mm	FCR/DOT	50	13.0'-3.5	3.75"-3.25"	1/4	14.8	27 oz
CS401624IR	1-6	10-6mm	T-3/R	24	115.9.2	4.5-3.75	1/2	10.9	18.5

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Sun Optics-000014

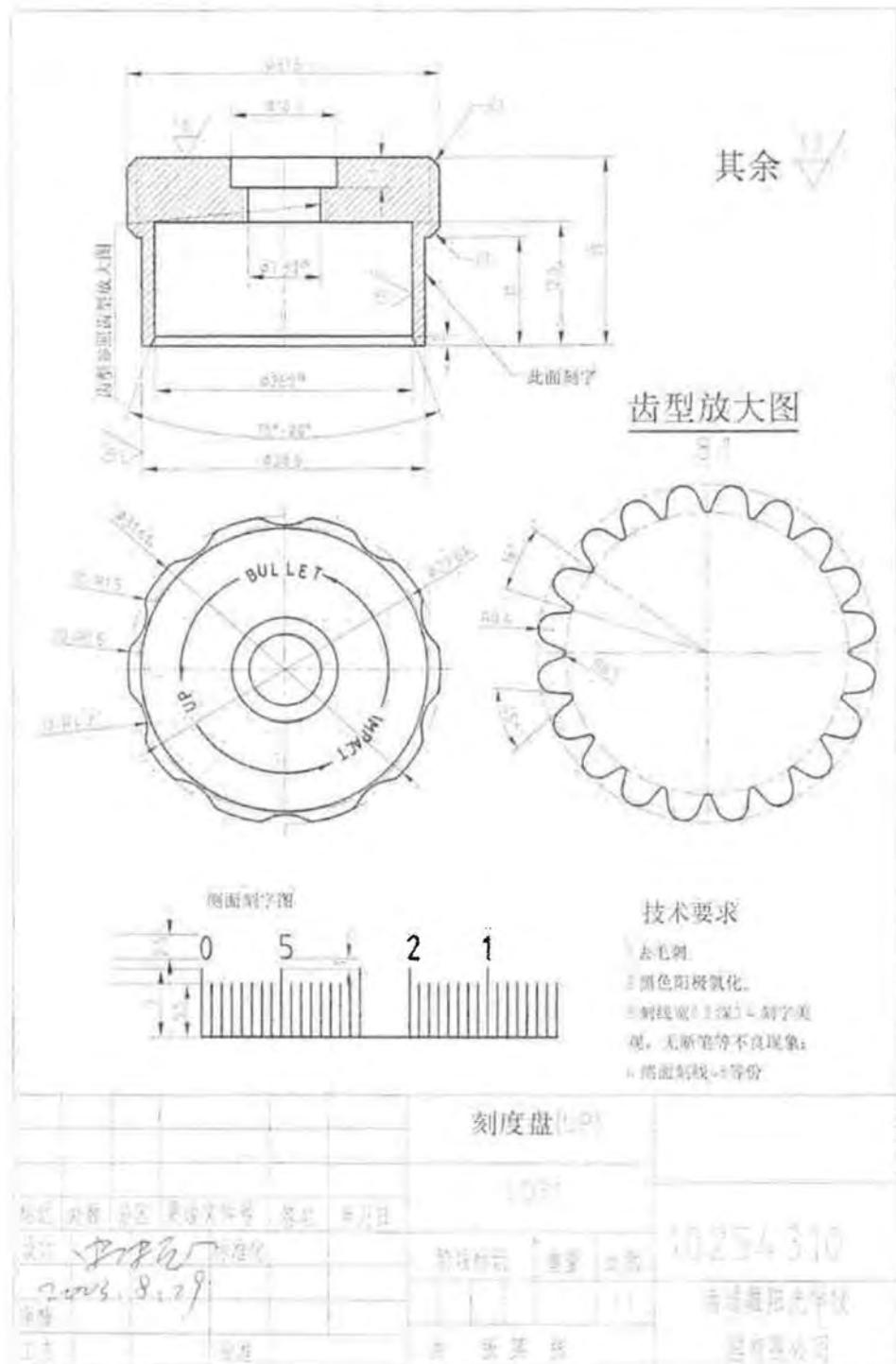
2014 CATALOG



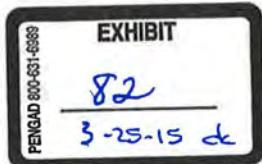
SCOPE MOUNTS • OPTICS
SHOOTING ACCESSORIES

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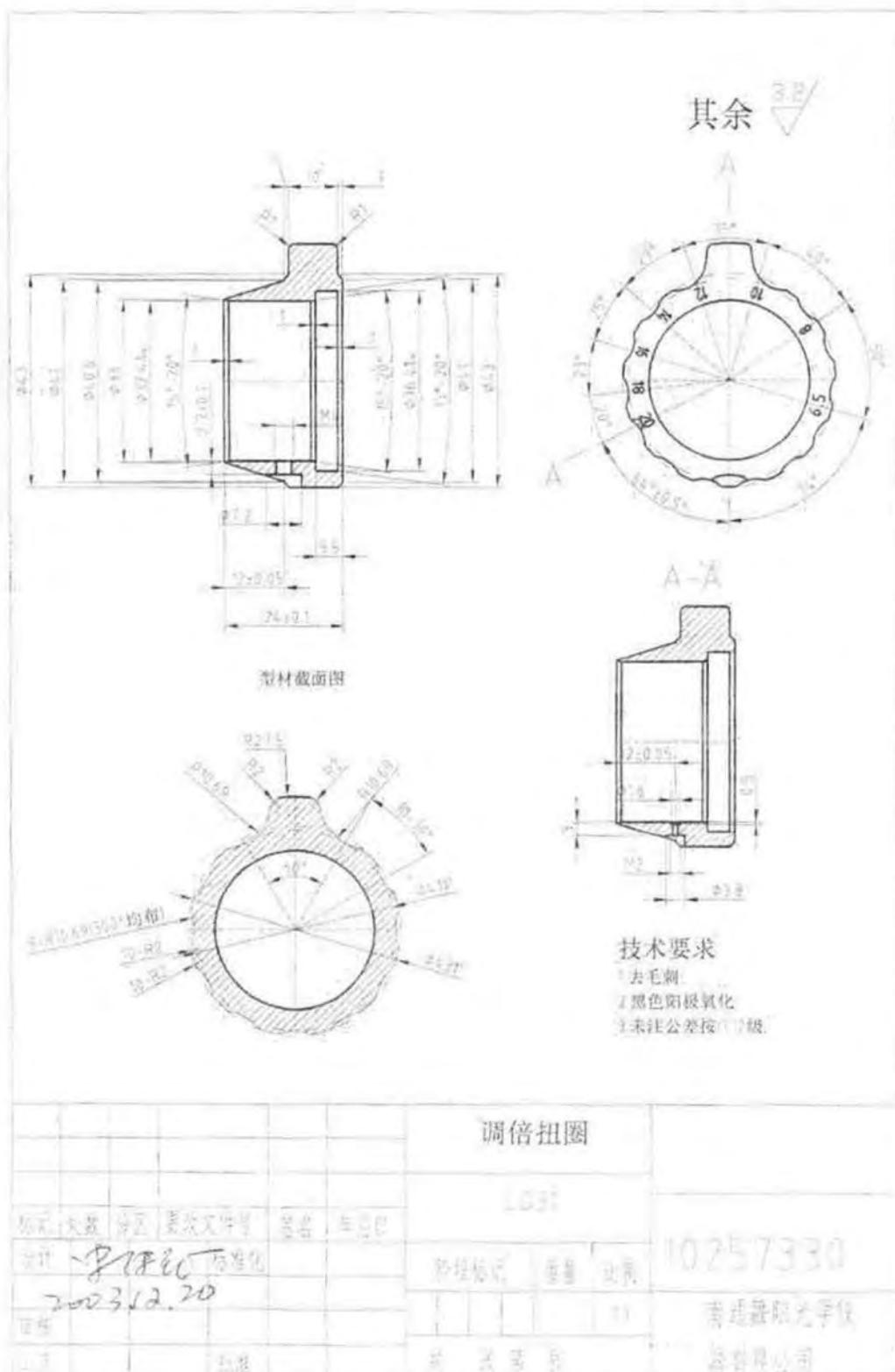
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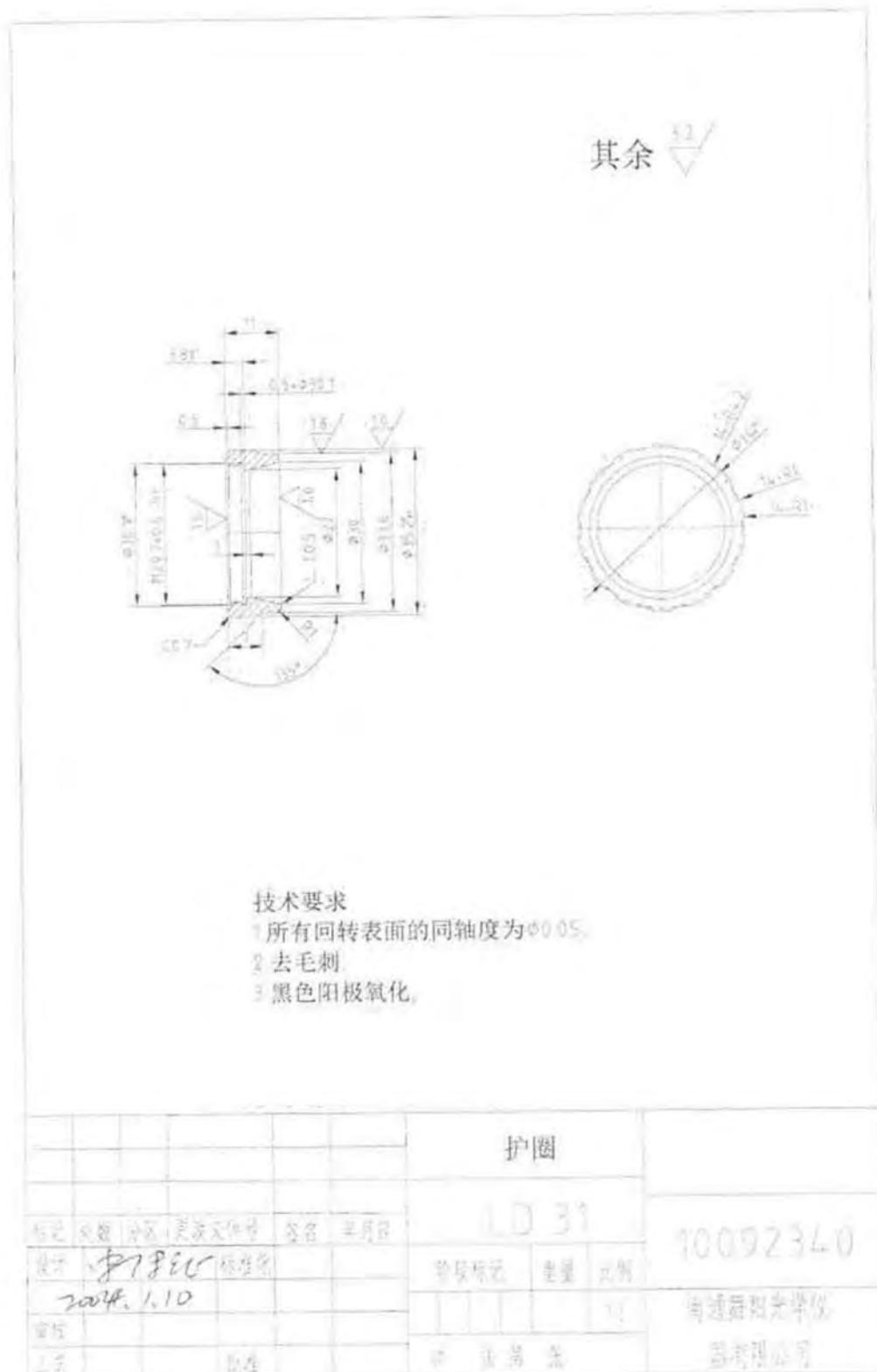


Sun Optics-000375



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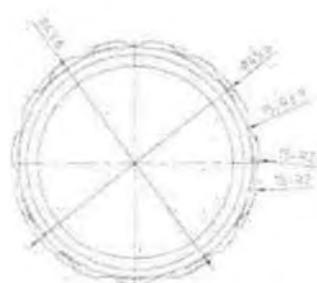
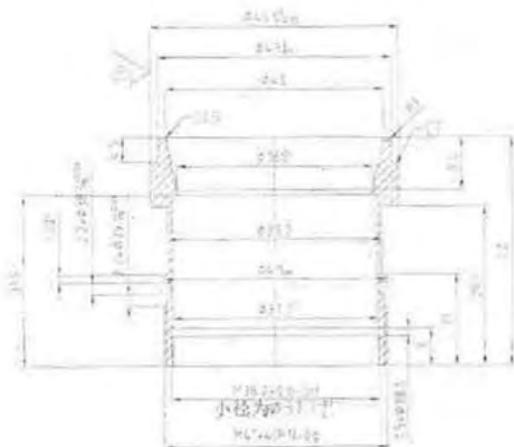
Sun Optics-000376



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Sun Optics-000377

其余



技术要求

轴上所有旋转表面的同轴度为 ± 0.05 。
去毛刺，黑色阳极氧化。

目镜框				
标示	类型	更改元件号	基座	生产日期
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	2004.3.5			10052320
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设计		设计员	设计员	恒通公司

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Sun Optics-000378

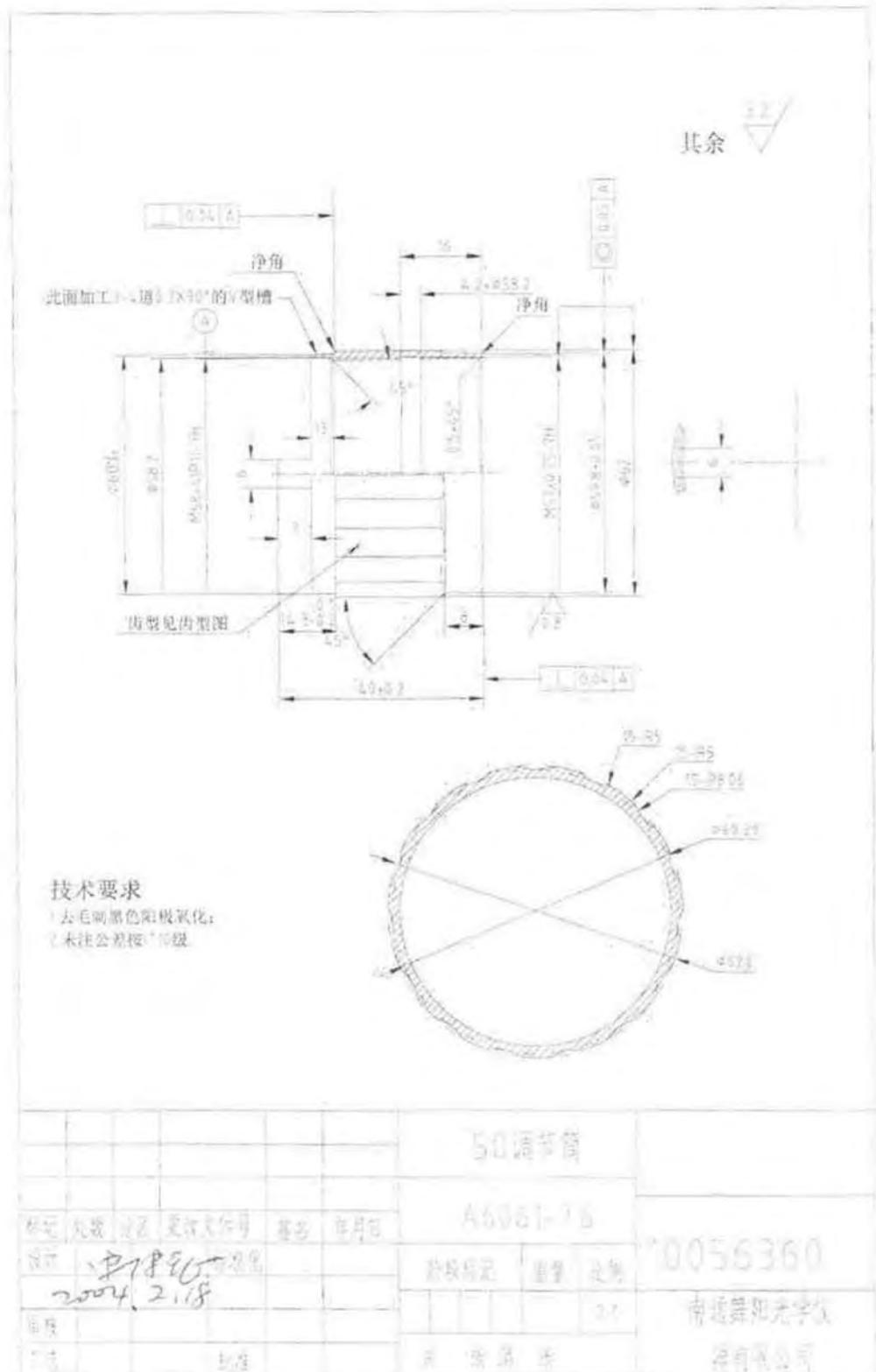
技术要求

去毛刺。

						防尘盖			
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审核									南通海阳光学有限公司
工艺	仓库					毛重	净重	体积	装箱公司

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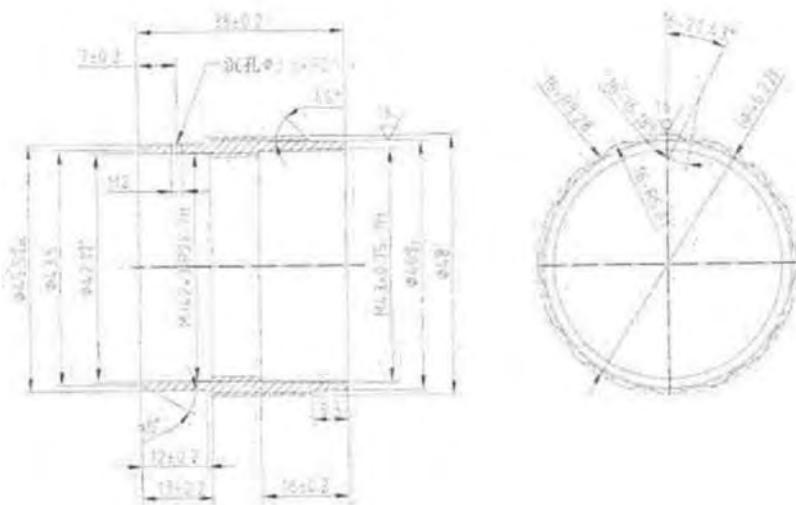
Sun Optics-000379



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Sun Optics-000380

其余



技术要求

1. 内圆和内壁的同轴度为 ± 0.05
2. 表面不能有各种伤痕及色斑
3. 去毛刺
4. 黑色阳极氧化

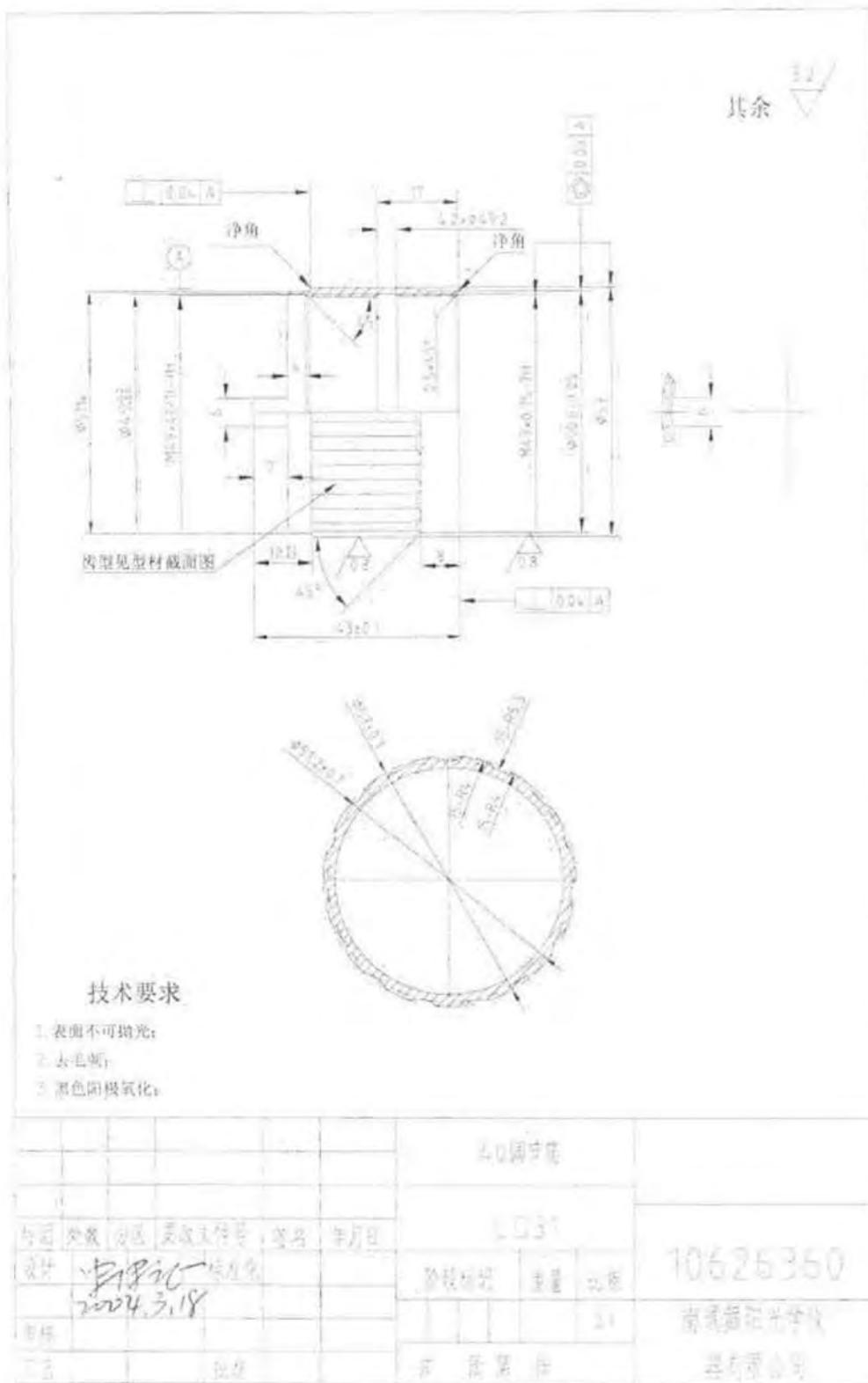
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10065360

南通舜阳光学
有限公司

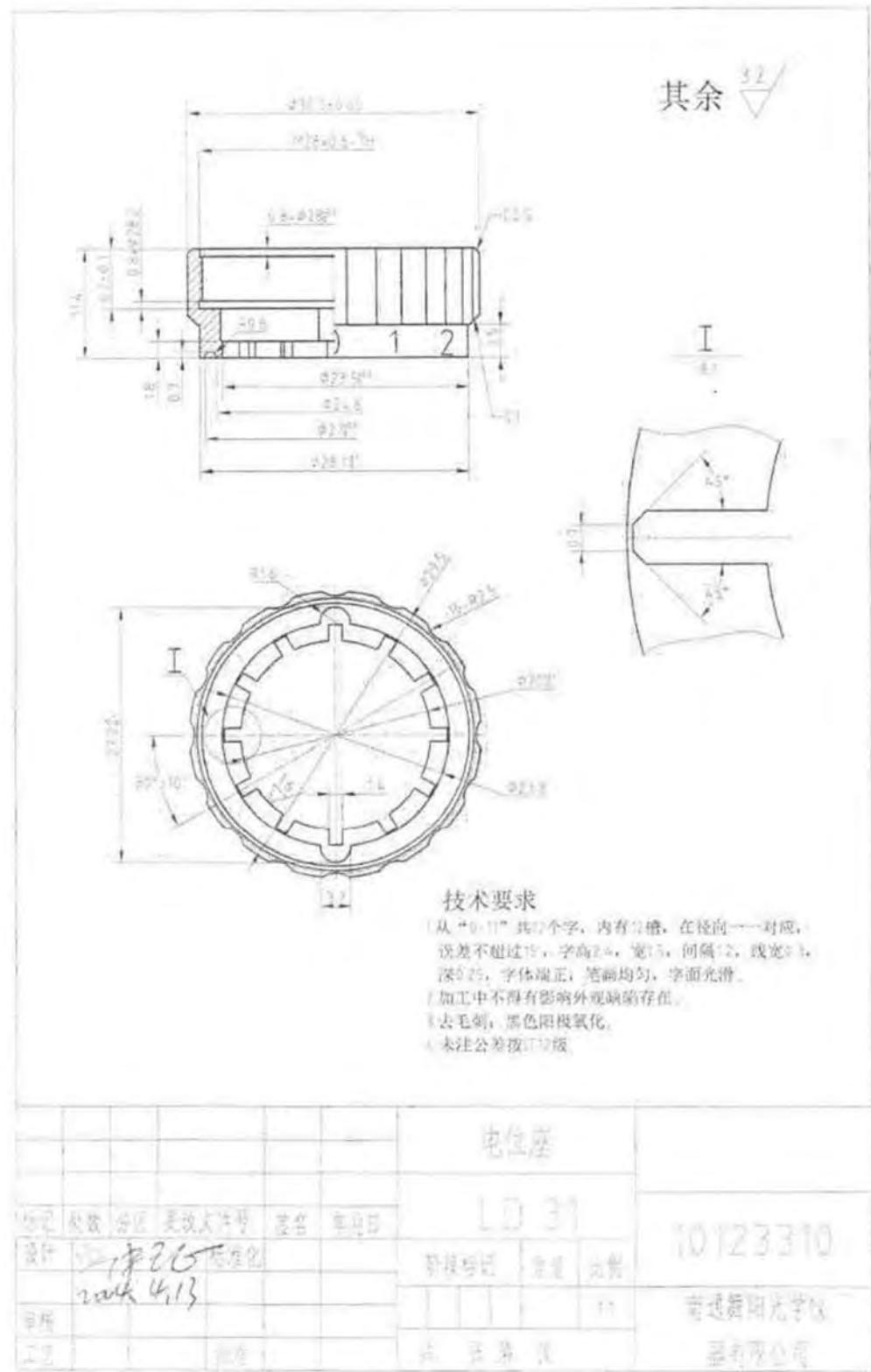
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Sun Optics-000381



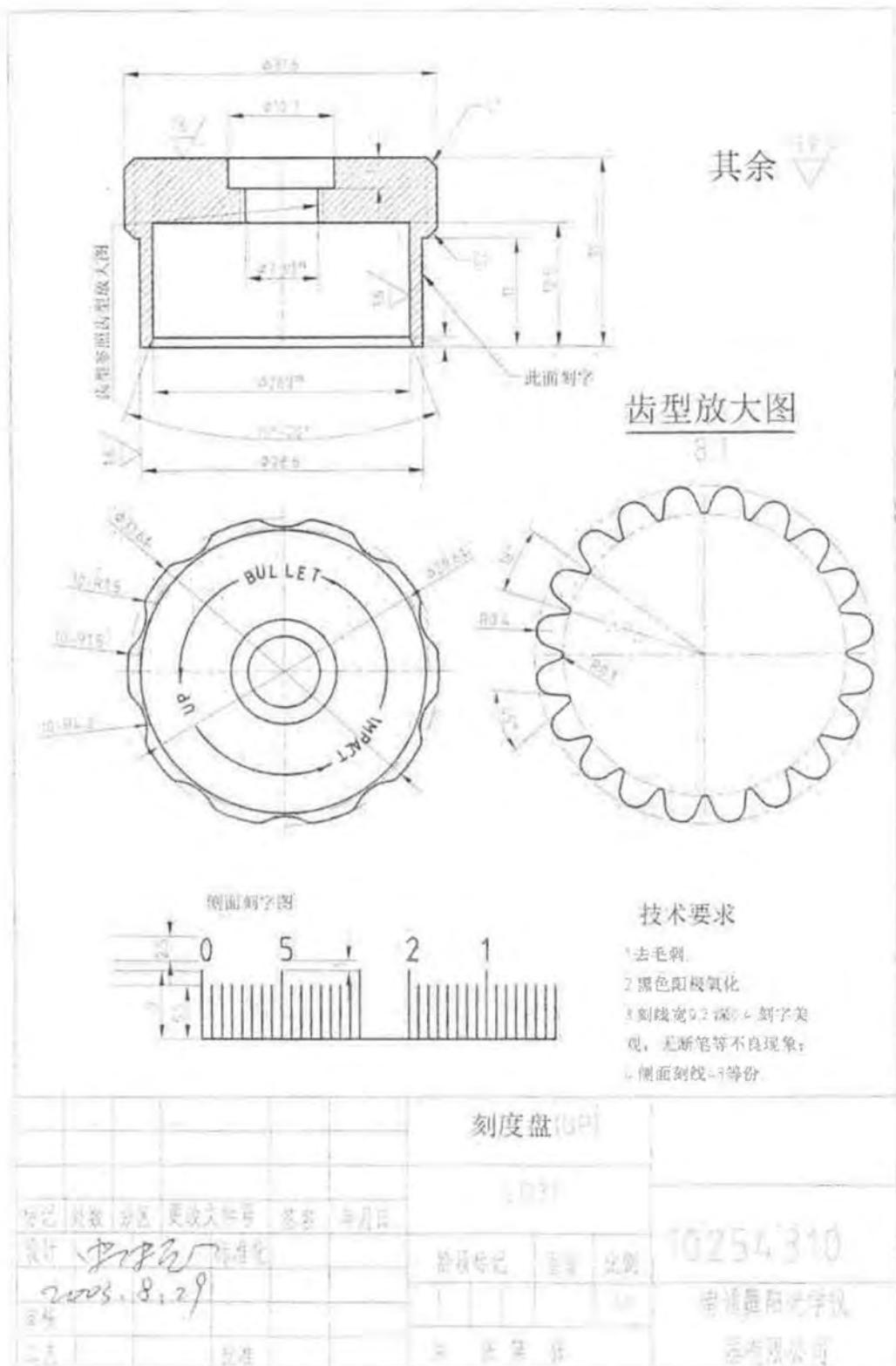
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Sun Optics-000382



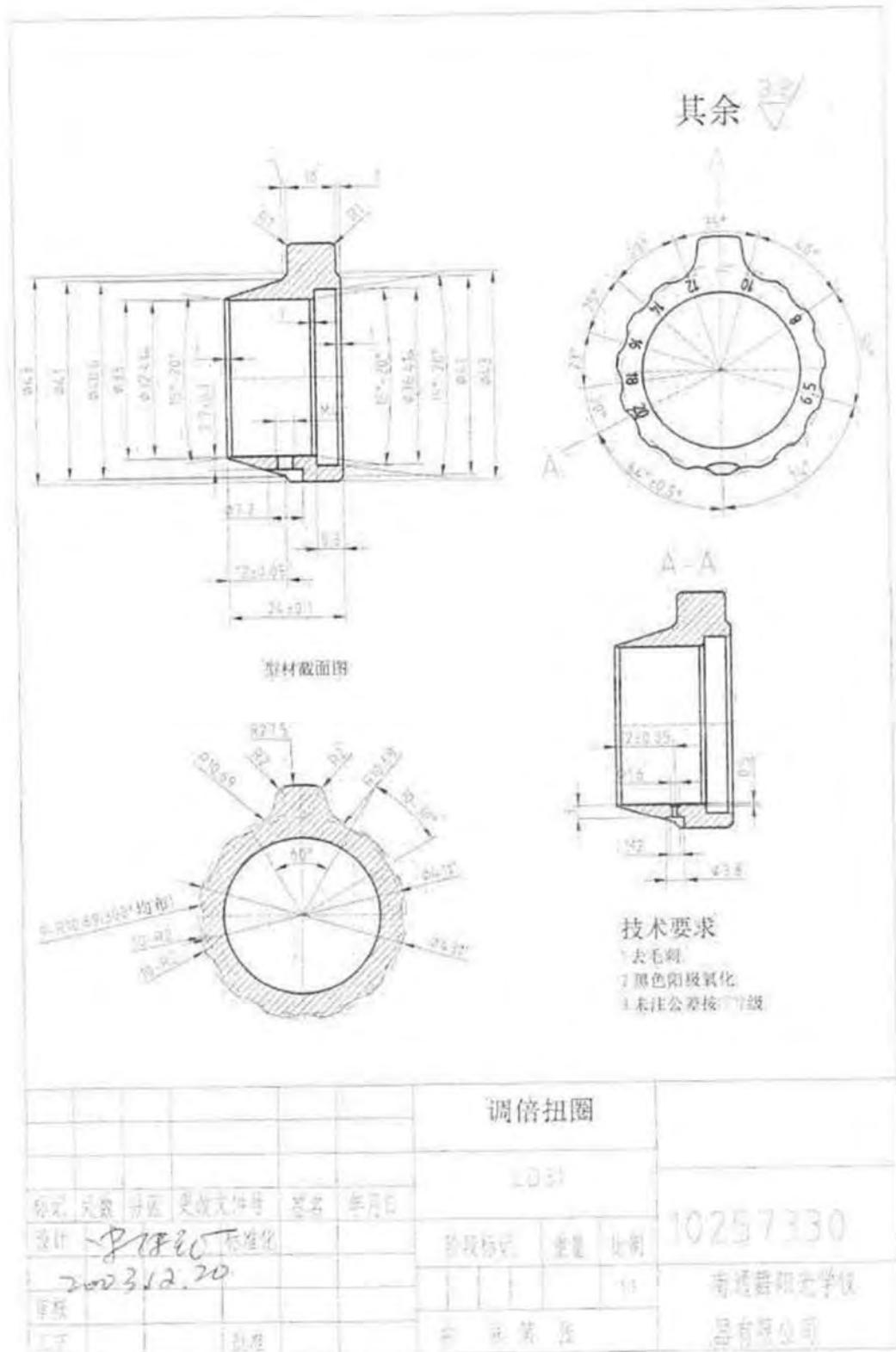
"Confidential Attorney Eyes Only"

Sun Optics-000383



"Confidential Attorney Eyes Only"

Sun Optics-000384



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Sun Optics-000385

技术要求

所有回转表面的同轴度为0.05

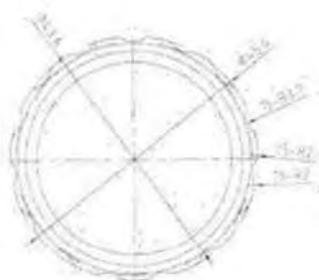
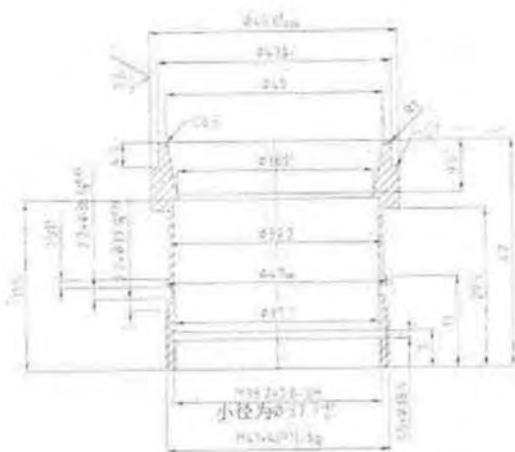
去毛刺

三 黑色阳极氧化

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Sun Optics-000386

其余



技术要求

- 1. 地面上所有回转表面的同轴度为 ± 0.05
- 2. 去毛刺: 黑色阳极氧化。

目镜框

标示	处理	地区	更改文件号	底图	年月日	10.31	
设计	<i>DR. B. G.</i>	新奥尔良	—	—	阶段标志	重量	立制
日期	<i>2004.2.15</i>						
功能							

10052320

透镜组阳极化

透镜组公司

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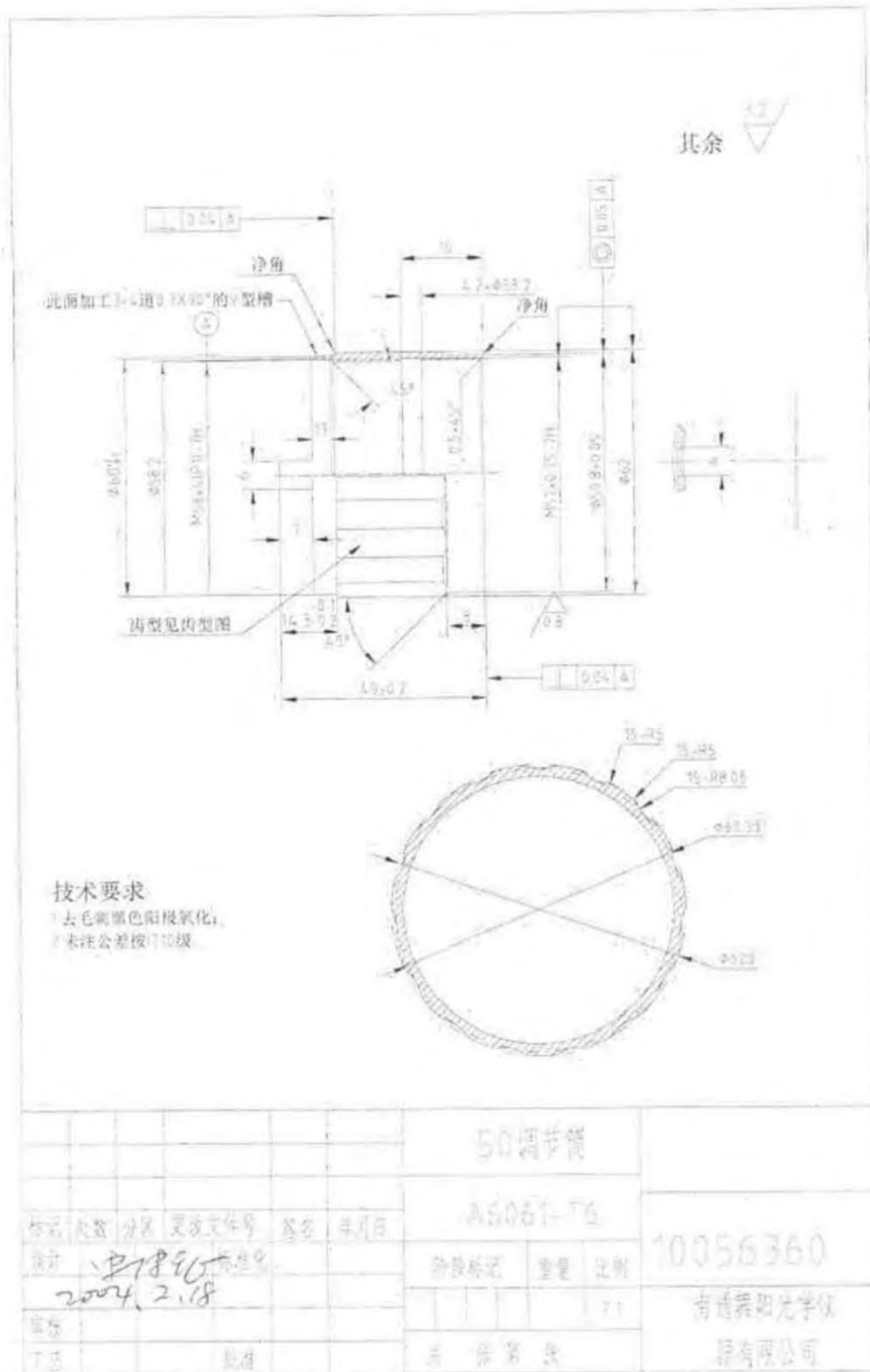
Sun Optics-000387

技术要求

去毛刺；
黑色即被氧化；

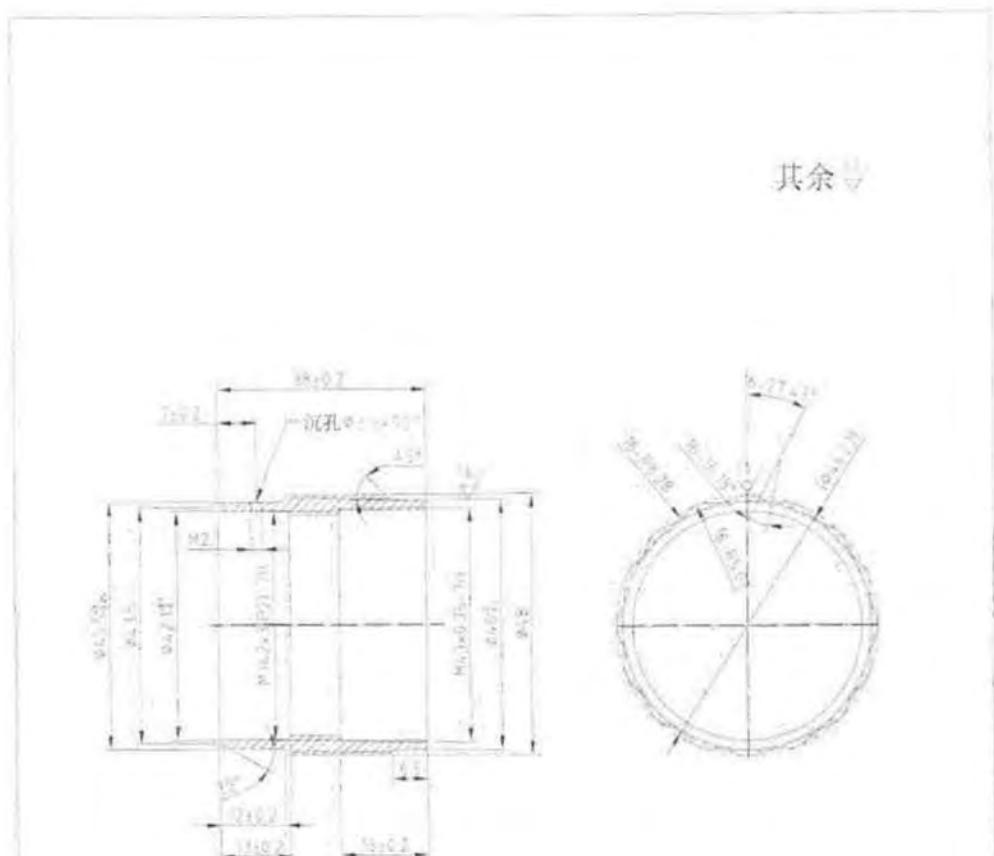
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Sun Optics-000388



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Sun Optics-000389

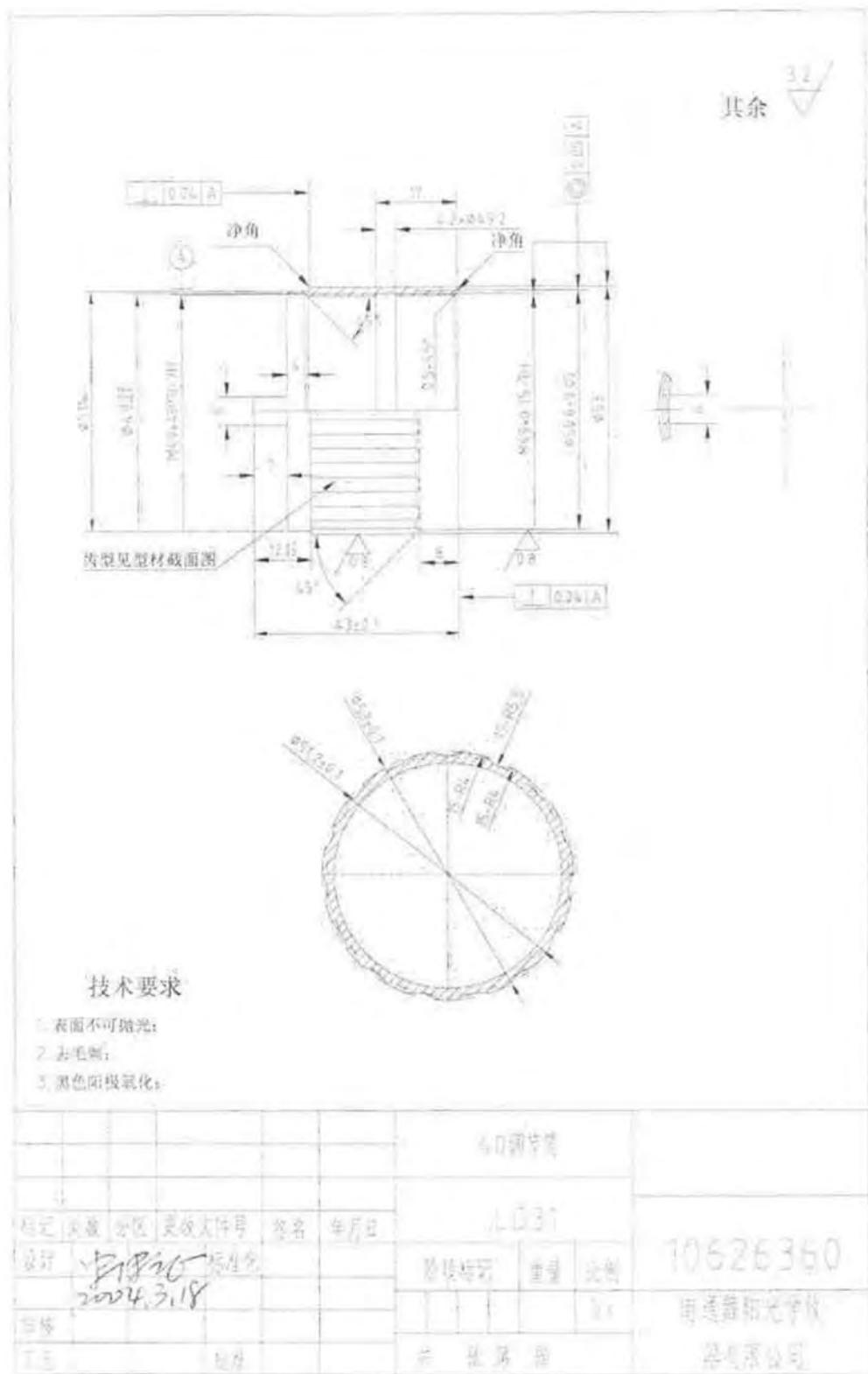


技术要求

- 1 内圆和内螺纹的同轴度为 ± 0.05
- 2 表面不能有各种伤痕及色斑
- 3 去毛刺
- 4 黑色阳极氧化

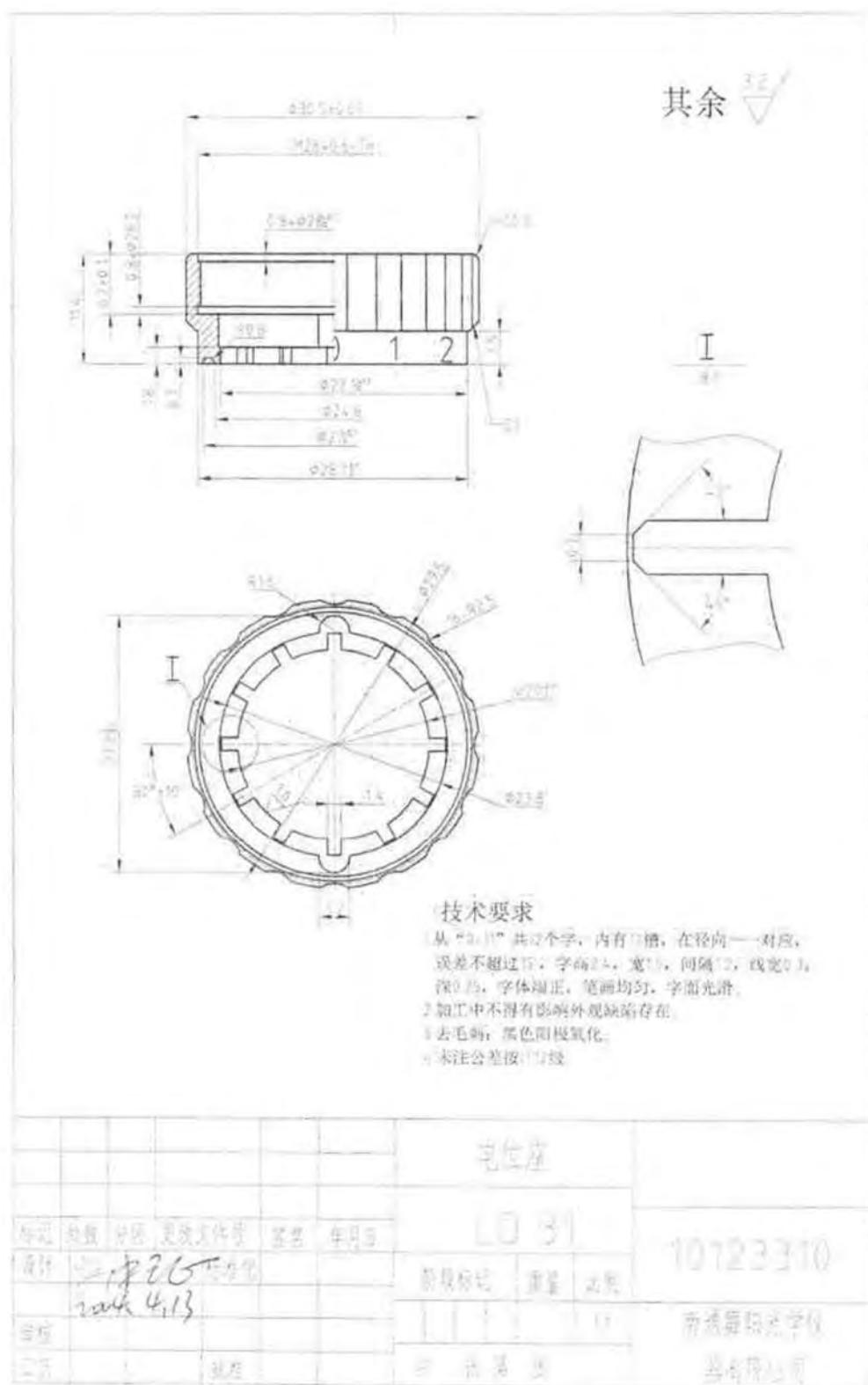
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Sun Optics-000390



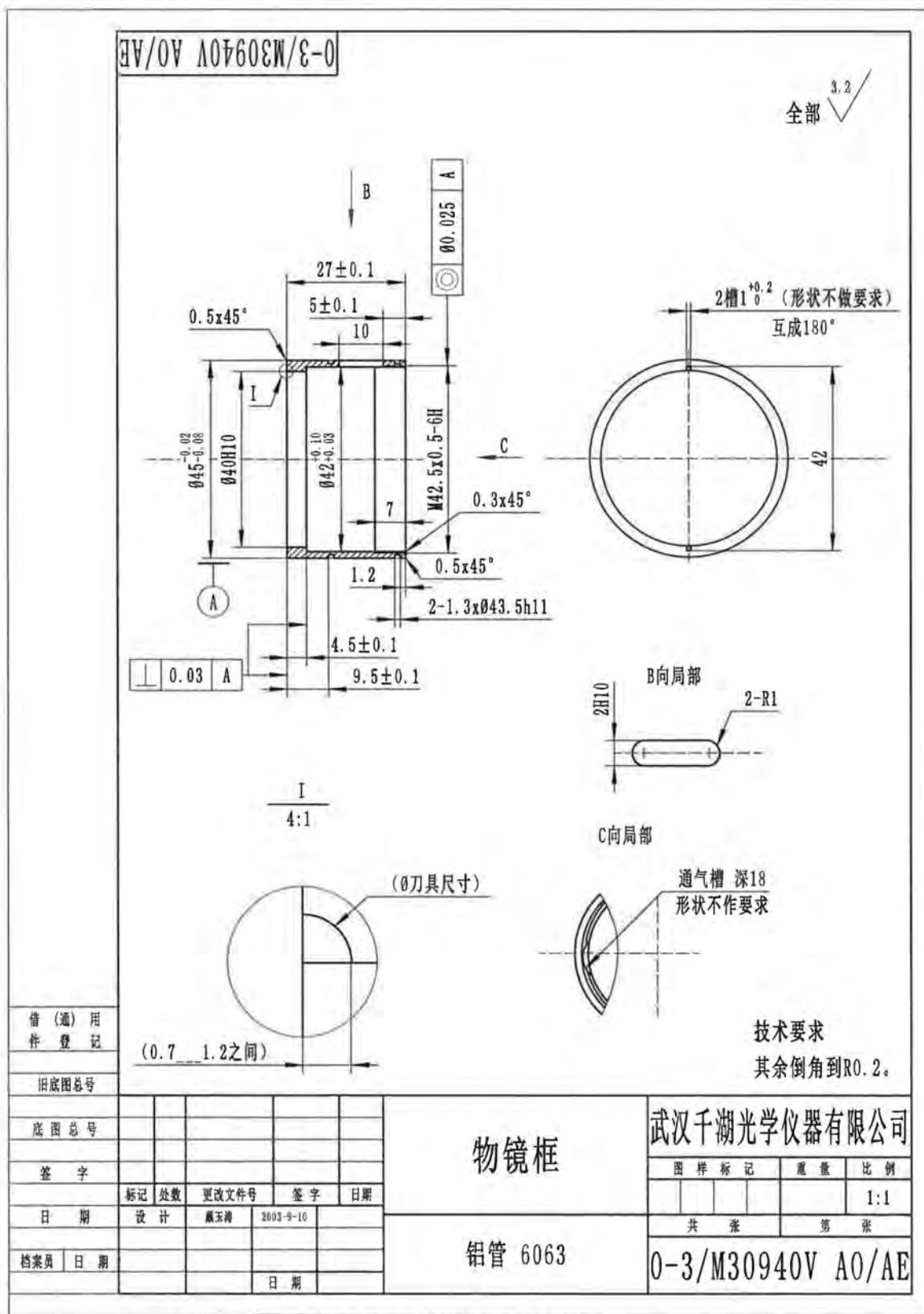
"Confidential Attorney Eyes Only"

Sun Optics-000391



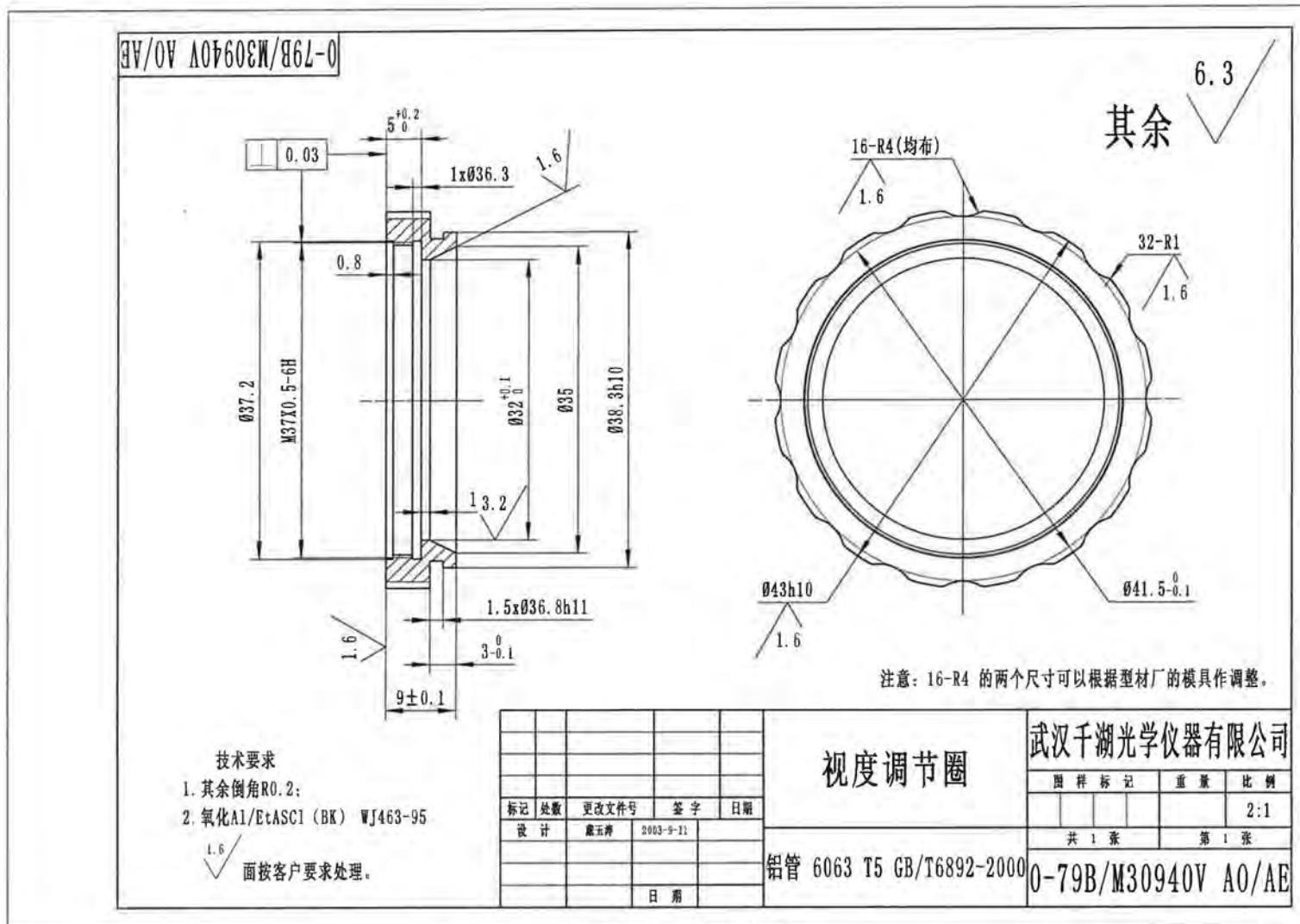
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Sun Optics-000392



"Confidential Attorney Eyes Only"

Sun Optics-000397

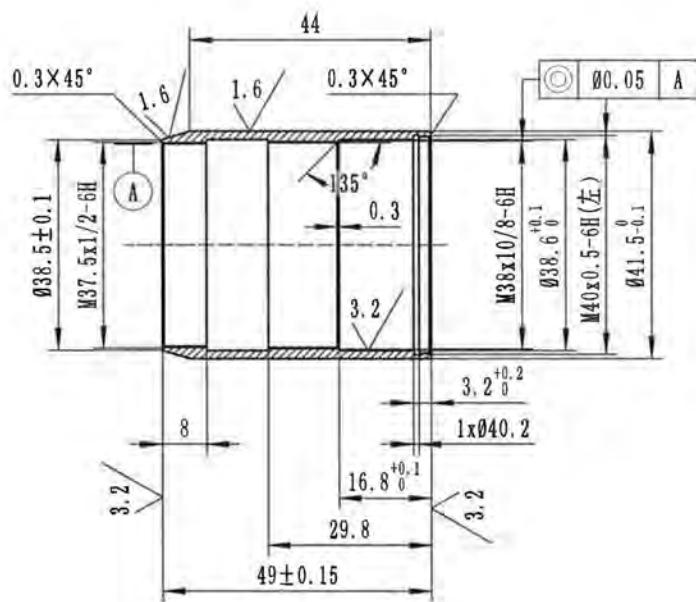


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Sun Optics-000398

0-20/M30940V AO/AE

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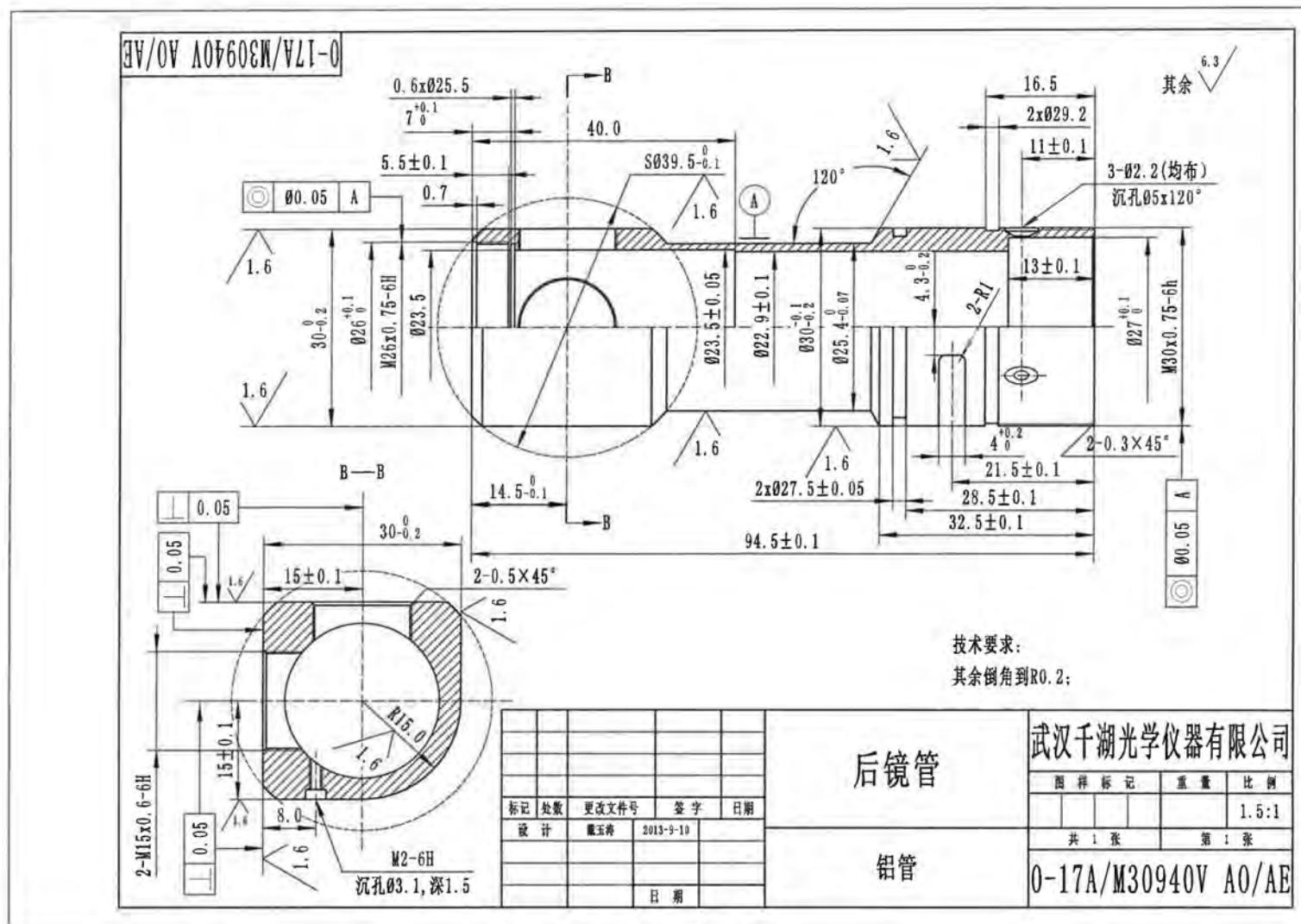


技术要求
其余倒角R0.2。

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底图总号								
签 字								
标记 处数		更改文件号		签 字		日期		
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档案员 日 期								
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目镜管								
武汉千湖光学仪器有限公司								
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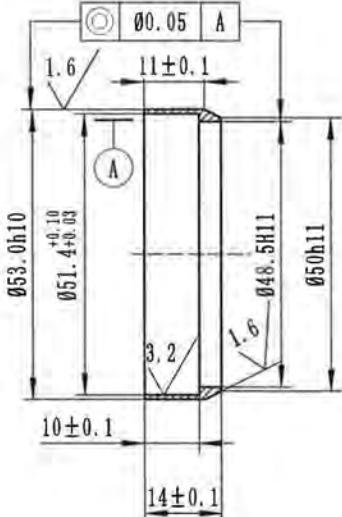
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Sun Optics-000396



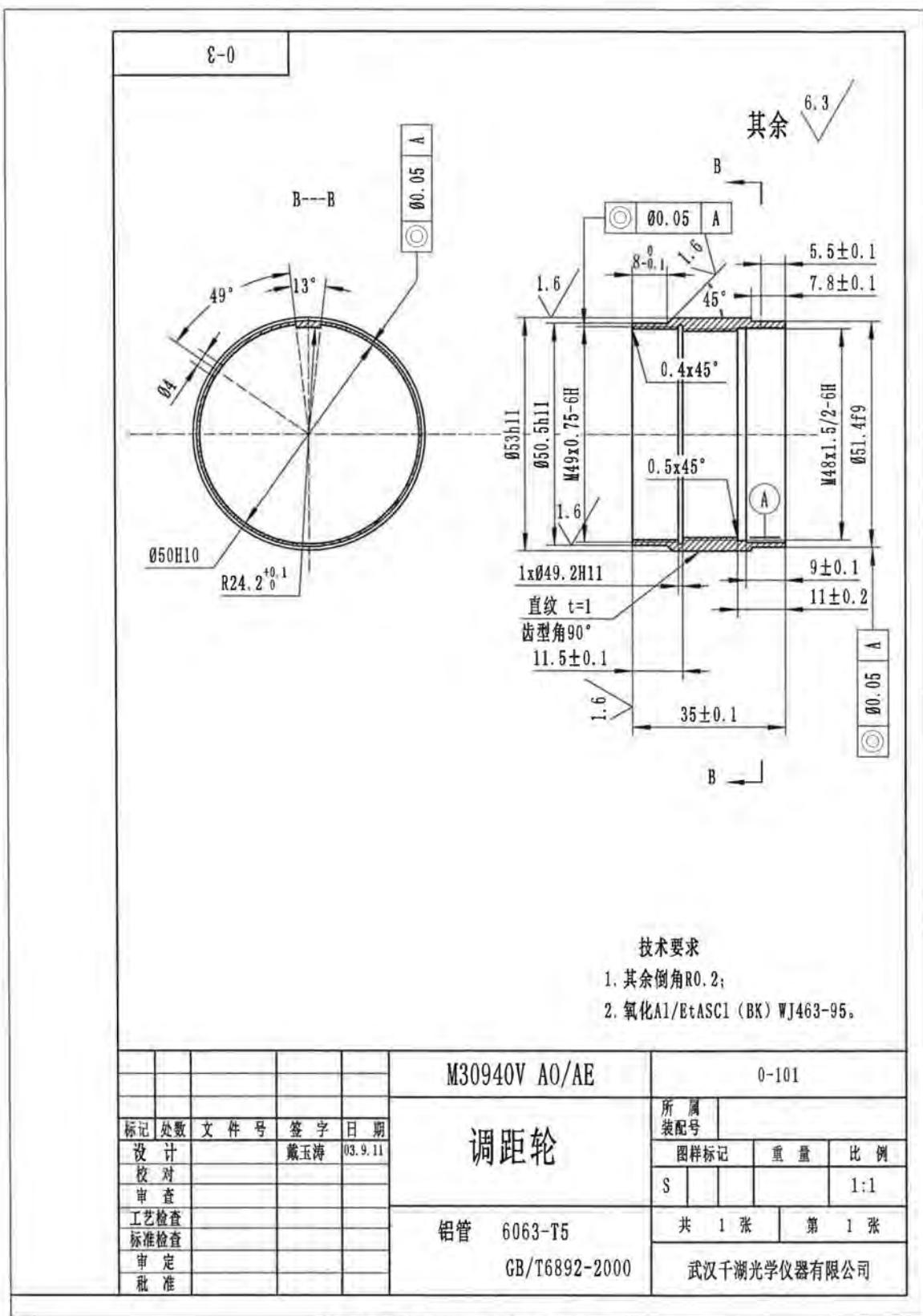
"Confidential Attorney Eyes Only"

Sun Optics-000395

		0-107		6.3 其余 ✓	
					
技术要求 1. 其余倒角R0.2; 2. 氧化Fe/Ct. Os WJ463-95.					
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制图					
描图					
校对					
M30940V A0/AE 0-107					
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底图总号		校核			
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		工艺检查			
日期	签字	标准检查			
		审定			
		批准			
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所属 装配号 0					
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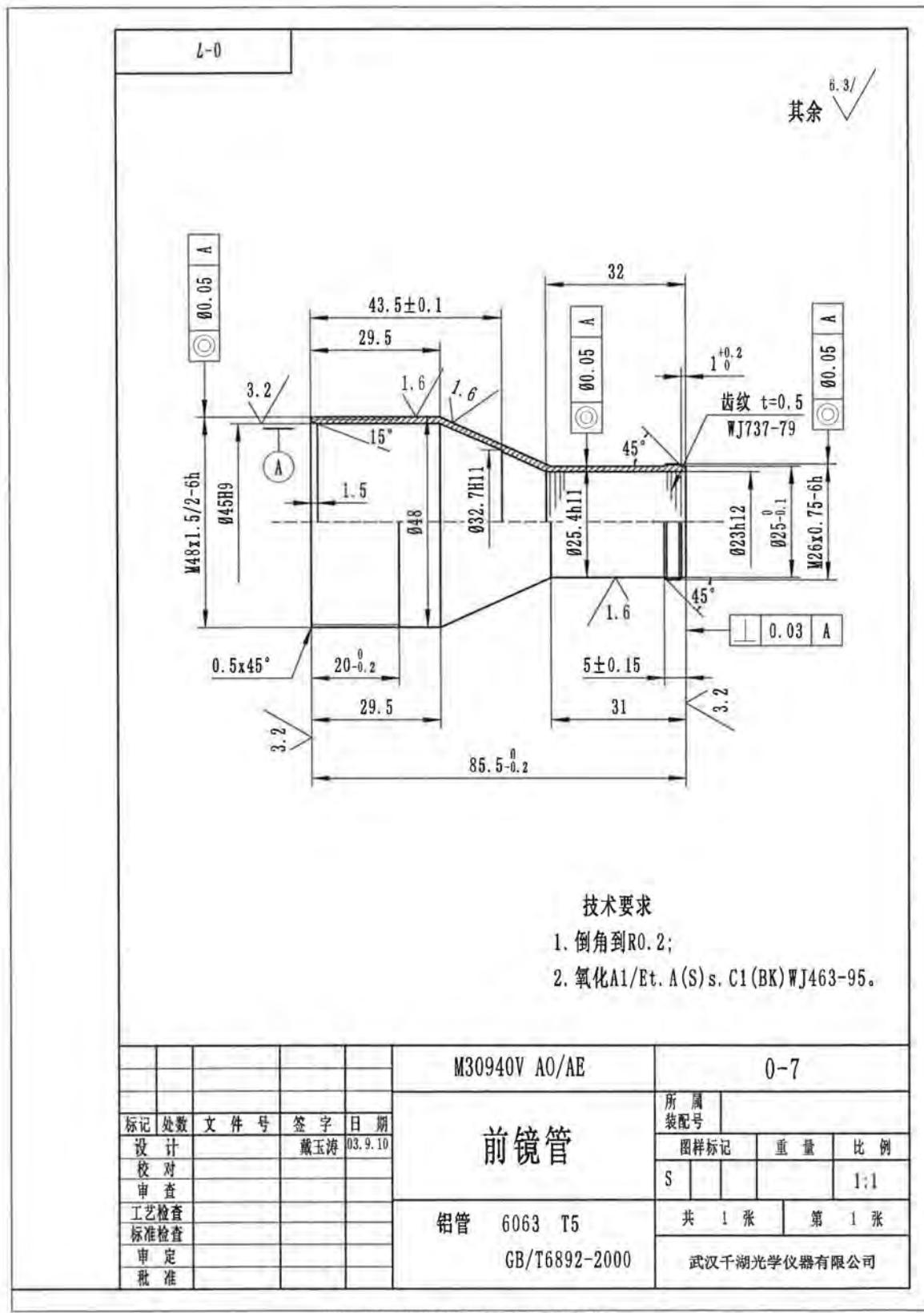
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Sun Optics-000394



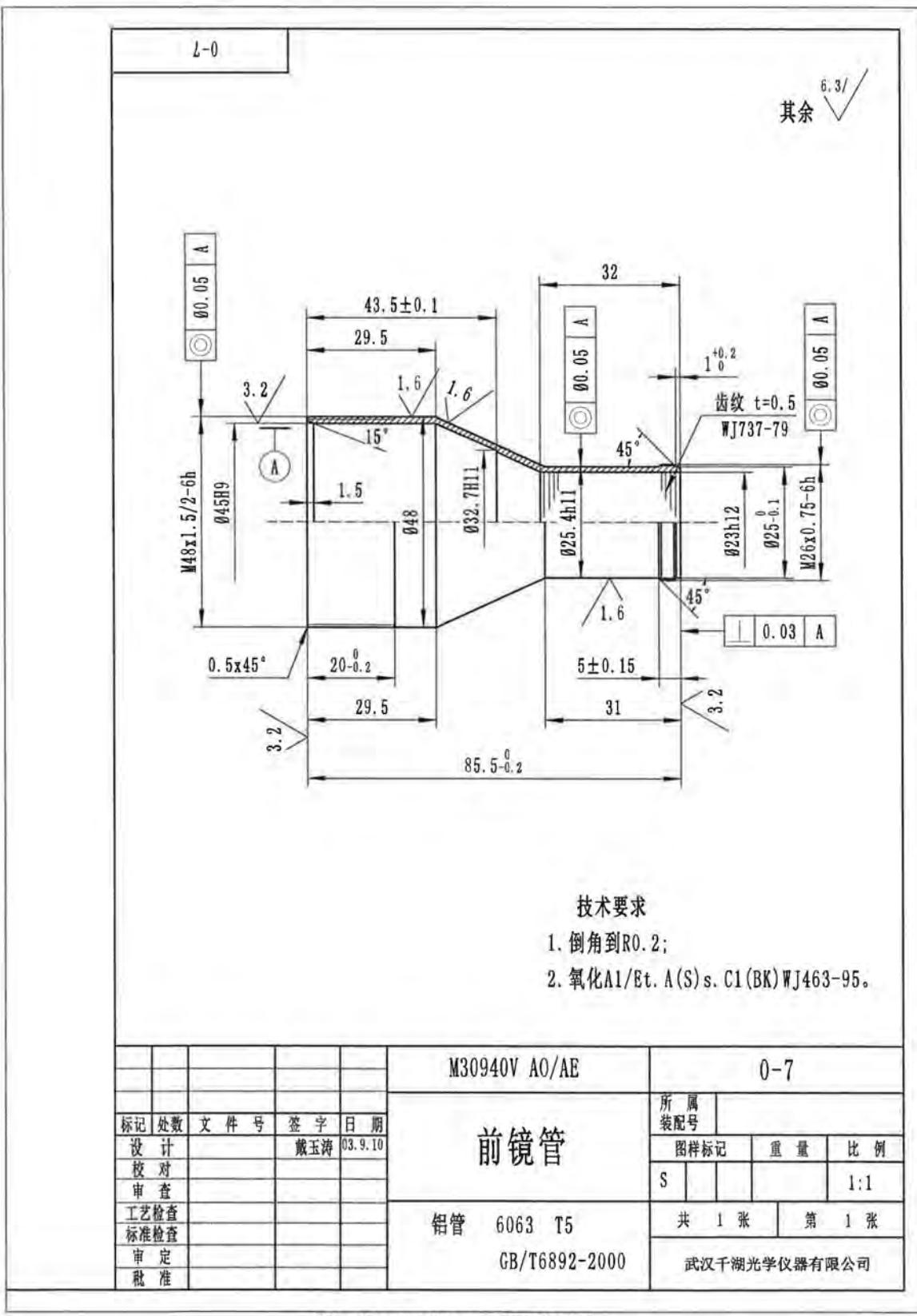
"Confidential Attorney Eyes Only"

Sun Optics-000393



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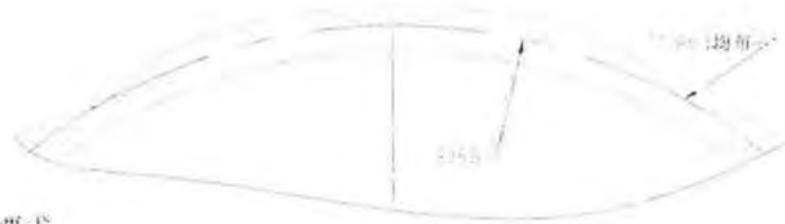
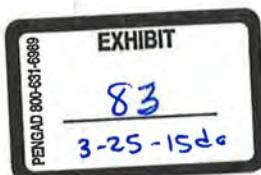
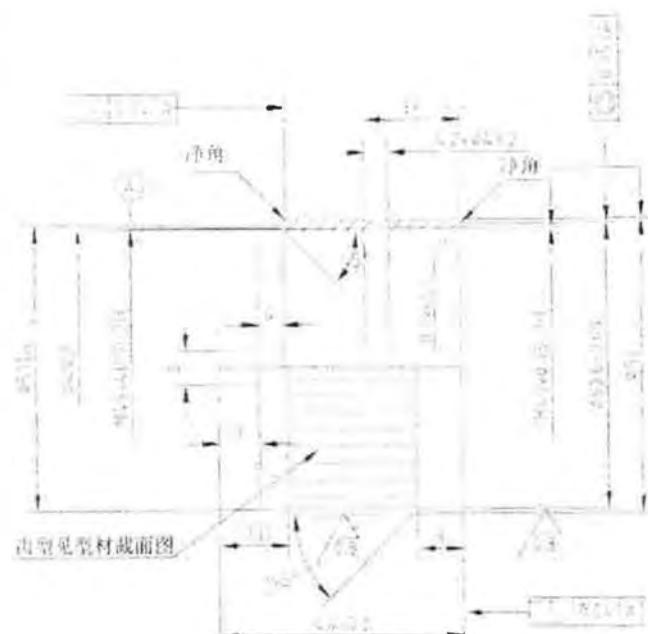
Sun Optics-000399



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Sun Optics-000400

其余



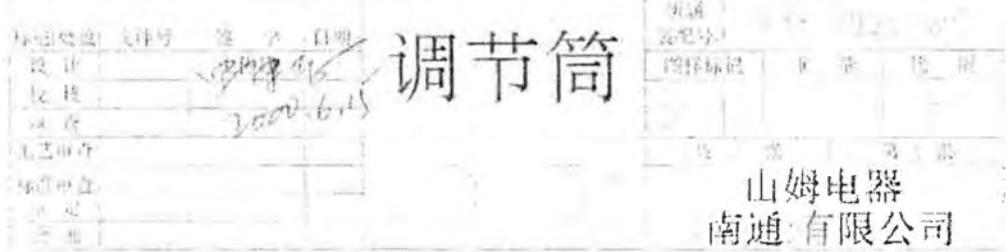
技术要求

表面不可抛光

去毛刺

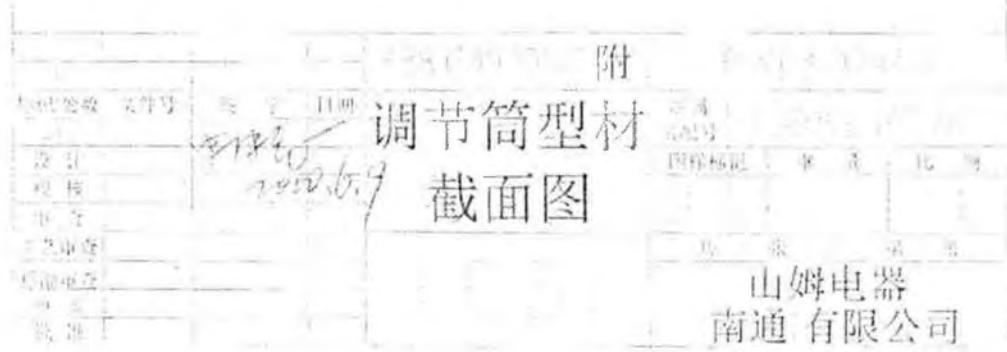
蓝色阳极氧化

齿型放大图



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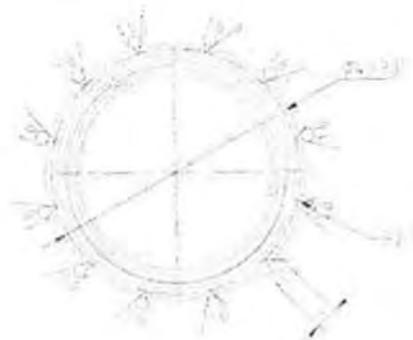
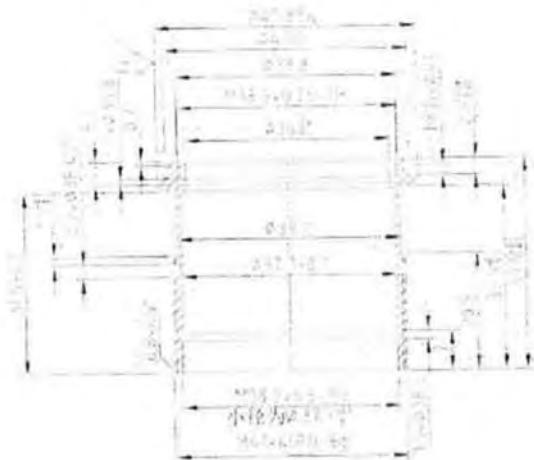
Sun Optics-000201



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Sun Optics-000202

其余



技术要求

轴上所有旋转表面的同轴度为 0.01 。

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黑色語文研究

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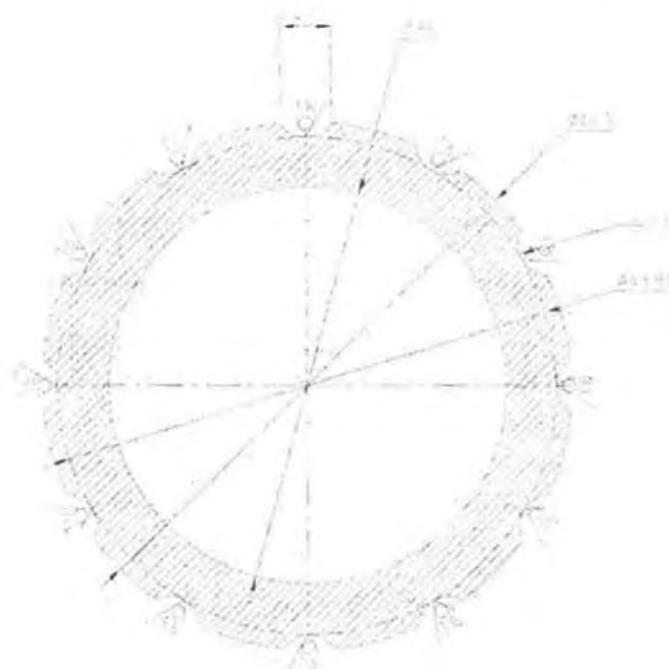
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其余



附
目镜框
型材截面图

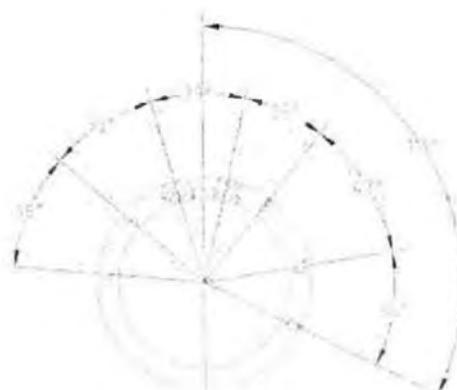
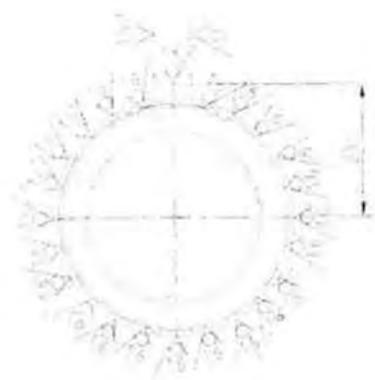
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王海波	2005.6.1		
设计	审核	图名	比例
王海波	2005.6.1	目镜框型材截面图	1:1
设计	审核	日期	年月日
王海波	2005.6.1		
设计	审核	设计人	审核人
王海波	2005.6.1	王海波	王海波
设计	审核	设计日期	审核日期
王海波	2005.6.1	2005.6.1	2005.6.1

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技术要求

卷之四

表面处理按客户要求:

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